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|--|---|---|---------------------------------------|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | PAGE OF PAGES 1 of 2 |
| 2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">15</div> | 3. EFFECTIVE DATE <div style="text-align: center;">19-Mar-2002</div> | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. <i>(If applicable)</i> |
| 6. ISSUED BY US Army Corps of Engineers, Kansas City District 760 Federal Building, 601 East 12th Street Kansas City, Missouri 64106-2896 | | 7. ADMINISTERED BY <i>(If other than item 6)</i> | |
| 8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i> | | (X) 9a. AMENDMENT OF SOLICITATION NO. X DACW41-02-B-0001 9b. DATED <i>(SEE ITEM 11)</i> 12/22/2001 10a. MODIFICATION OF CONTRACT/ORDER NO. 10b. DATED <i>(SEE ITEM 13)</i> | |
| CODE | FACILITY CODE | | |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above number solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegraph which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| | |
|-----|--|
| (X) | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBER CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF: |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| | D. OTHER <i>(Specify type of modification and authority)</i> |

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Missouri River Levee System - Levee Unit L-385
 Phase I - Quindaro Levees and Stop Log Gap, Phase II - Quindaro-Riverside Levees and Structures
 The Solicitation is amended in accordance with the attached pages
 BID OPENING REMAINS 10:00 AM, LOCAL TIME, 26 MARCH 2002.
 SEE PAGE 2 FOR FURTHER DETAILS.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|--|---|---|------------------|
| 15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i> | 16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i> | | |
| 15B. CONTRACTOR/OFFEROR | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA | 16C. DATE SIGNED |
| _____ <i>(Signature of person authorized to sign)</i> | | BY _____ <i>(Signature of Contracting Officer)</i> | |

The SOLICITATION is amended as follows:

1. SPECIFICATIONS:

Revised Schedule: Bidding Schedule, pages 00010-3 thru 00010-102, is deleted and replace with a revised Bidding Schedule, pages 00010-3 thru 00010-103. A copy of the revised Bidding Schedule is attached.

2. DRAWINGS:

Revised Drawing: Sheet C-9, Phase II, is deleted and replaced with a revised drawing of the same number. A copy of the revised drawing is attached.

3. Bidders are required to acknowledge receipt of this amendment on the Bidding Form, in the space provided, or by separate letter or telegram prior to opening of bids. Failure to acknowledge all amendments may cause rejection of the bid.

4. Bids will be received until 8:00 a.m., local time, 26 March 2002, in Room 760 Federal Building, 601 East 12th Street, Kansas City, Missouri 64106-2896, or delivered to the Kansas City District Corps of Engineers Bid-Opening Officer between 8:00 a.m. and 10:00 a.m., local time, 26 March 2002, at the Riverside City Hall Board of Alderman Chamber located at 2950 Northwest Vivion Road, Riverside, Missouri 64105, and at 10:00 a.m. will be publicly opened.

Encls

1. Spec pgs as listed
2. Drawing as listed

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

NOTICE TO BIDDERS: For your bid to be responsive, you must declare below the single accounting practice that you apply to contracts to calculate field office overhead for all change orders, modifications and requests for equitable adjustment. Pursuant to Federal Acquisition Regulations (FAR) Parts 31.105(d)(3) and 31.203(d)(1), an accounting practice that varies from modification to modification is not allowable. Select one of the following:

1. TIME DISTRIBUTION BASE FOR A PER DIEM RATE _____
If you use this practice, see Special Clause
"Field Office Overhead Per Diem Rate".
2. DIRECT COST DISTRIBUTION BASE FOR A PERCENTAGE MARKUP _____
If you use this practice, see Special Clause
"Field Office Overhead Percentage Markup".
3. OTHER ACCOUNTING PRACTICE THAT IS ALLOWABLE
UNDER THE FAR AND THAT USES A SINGLE DISTRIBUTION BASE _____

YOU MUST DESCRIBE THE ACCOUNTING PRACTICE IN SUFFICIENT DETAIL BELOW TO ALLOW THE CONTRACTING OFFICER TO DETERMINE WHAT ACCOUNTING PRACTICE IS BEING UTILIZED BY YOUR COMPANY AND THAT IT COMPLIES WITH THE FAR.

FAILURE TO FULLY COMPLY WITH THE ABOVE REQUIREMENT OR, IF ALTERNATIVE 3 IS DECLARED, FAILURE TO PROVIDE A DESCRIPTION WHICH CLEARLY STATES OR DESCRIBES A CONSISTENT ACCOUNTING PRACTICE USING A SINGLE DISTRIBUTION BASE, WILL BE CAUSE FOR YOUR BID TO BE REJECTED.

- (1) Bidders may bid on any one or combination of Bidding Schedule Phase I, Bidding Schedule Phase II, or Bidding Schedule Phase I+II.
 - a. Bidders must enter bid prices for each line item on each schedule bid. Failure to enter a price for any item will cause the bid for that schedule to be rejected as non-responsive.
 - b. The Government reserves the right to award Bidding Schedules Phase I and Phase II to separate contractors or to the same contractor, or to award the combined Bidding Schedule Phase I + Phase II to the same contractor based on whichever schedule bids are most advantageous to the Government considering only price and price related factors.

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BIDDING SCHEDULE

- c. Evaluation of Bids for Multiples Awards (MAR 1990): In addition to other factors, bids will be evaluation on the basis of advantages and disadvantages to the Government that might result from making more than one award (multiple awards). It is assumed, for the purpose of evaluating bids, that \$500 would be the administrative cost to the Government for issuing and administering each contract awarded under this solicitation and individual awards will be for the items or combinations of items that result in the lowest aggregate cost to the Government, including the assumed administrative costs. (FAR 52.214-22)
- (2) All extensions of the unit prices shown will be subject to verification by the Contracting Officer. In case of variation between the unit price and the extension, the unit price will be considered to be the bid.
- (3) If a modification to a bid is submitted which provides for a lump sum adjustment to the total cost, the application of the lump sum adjustment to each price in the Bidding Schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every price in the Bidding Schedule.
- (4) Bidder's attention is directed to SECTION 00100 paragraph titled "Arithmetic Discrepancies" wherein are procedures for correction of errors.
- (5) Bidder's attention is directed to SECTION 01100, paragraph titled "Missouri Sales and Use Tax".
- (6) Bidder's attention is directed to CONTRACT CLAUSE titled "Contract Prices--Bidding Schedules".
- (7) Award will be made to the low responsive and responsible Bidder or Bidders on Bidding Schedule Phase I, Bidding Schedule Phase II, or combined Bidding Schedule Phase III after applying FAR 52.214-22 for evaluation of possible multiple awards. Bidder's attention is directed to SECTION 00100, paragraph titled "Contract Award—Sealed Bidding—Construction" for further details.
- (8) Bidder's attention is directed to SECTION 01100: GENERAL for special provisions pertaining to this Solicitation.
- (9) The general outline of the principal features of each item as listed does not in any way limit the responsibility of the bidder for making a thorough investigation of the drawings and specifications to determine the scope of work included in each item.
- (10) In accordance with SECTION 02101: SPECIAL SCHEDULING, any damages incurred by the Government due to construction delays longer than 30 days plus 5 weather delay days, including damages to the railroad will be the responsibility of the Contractor, and will be offset against the contract.

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BIDDING SCHEDULE

(11) The Contractor is not permitted to perform work on the following properties for a minimum of 180 days following the date of award of the contract:

- (a) Dry Basement – located at Line Creed and West Platte, Tract 102/103.
- (b) Ramsey and/or Master Auto Tech – located at NW Gateway and Line Creek, Tract 134.

Bidder's attention is directed to SECTION 02101: SPECIAL SCHEDULING for further details.

(12) The use of the terms "Phase I", "Phase II", and the combination thereof is not indicative of a particular sequence of work, but refers only to separate tasks.

(13) Within the Bidding Schedule are listed subline items which are established for information purposes only. They are not separately priced or subject to a separate delivery schedule. The Bidder is required to submit prices for each of these subline items with their bid to assist the Contracting Officer in determining the responsiveness of the Bidder. See the example on the following page.

EXAMPLE:

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|-----------------------------------|--|------------|------|---------------|----------|---------|
| <u>Quindaro Pump Plant</u> | | | | | | |
| 0013 | Riprap | | TONS | \$_____ | | \$_____ |
| 0014 | Bedding | | TONS | \$_____ | | \$_____ |
| 0015 | All Other Items | | LS | | | \$_____ |
| | -Inlet Structure | | LS | | \$_____ | |
| | -Trash Rack | | LS | | \$_____ | |
| | -108" Reinforced Concrete Pipe | | LS | | \$_____ | |
| | -Twin 9'x9' Reinforced Concrete Box | | LS | | \$_____ | |

(Etc.)

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|---------------------------------|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| 0001 | Mobilization/ Demobilization | | LS | | | \$_____ |
| 0002a | Design Relocations | | LS | | | \$12,900 |
| | - Station 118+97 – Conoco | | LS | | \$ 6,800 | |
| | - All other work | | LS | | \$ 6,100 | |
| 0002b | Design-Build Relocations | | LS | | | \$450,000 |
| | - Station 118+97 – Conoco | | LS | | \$ 170,000 | |
| | - All other work | | LS | | \$ 290,000 | |
| 0003 | Design Complete Relocations | | LS | | | \$_____ |
| | - Station 40+30 - Intercon | | LS | | \$_____ | |
| | - All other work | | LS | | \$_____ | |
| 0004 | Clearing and Grubbing | | LS | | | \$_____ |
| 0005 | Required Excavation | 415,660 | CY | \$_____ | | \$_____ |
| 0006 | New Fencing | 4,235 | LF | \$_____ | | \$_____ |
| 0007 | Site Work for Q2 | | LS | | | \$_____ |
| 0008 | 14 x 102 H-Piles | 1, 660 | LF | \$_____ | | \$_____ |
| 0009 | Test Piles – Mob/Demob | | LS | | | \$_____ |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|-----------------|--|----------------|-------------|-------------------|-----------------|------------|
| 0010 | Test Piles – Tensile Load Test | | LS | \$_____ | | \$_____ |
| 0011 | Test Piles – Lateral Load Test | | LS | \$_____ | | \$_____ |
| 0012 | Test Piles Compressive Compressive Load Test | | LS | \$_____ | | \$_____ |
| 0013a | I-Wall Sheetpiling (steel) (labor/equipment) | | LS | | | \$_____ |
| 0013b | I-Wall Sheetpiling (material) | | LS | | | \$ 32,000 |
| 0014 | Seepage Cutoff | | LS | | | \$_____ |
| 0015 | I-Wall | | LS | | | \$_____ |
| 0016 | Pile Cap | | LS | | | \$_____ |
| 0017 | Closure Monolith Wall/ Abutment | | LS | | | \$_____ |
| 0018 | Closure Monolith Sill | | LS | | | \$_____ |
| 0019 | Stoplogs - Type A | | LS | | | \$_____ |
| 0020 | Stoplogs - Type B | | LS | | | \$_____ |
| 0021 | Stoplog Storage Pedestals | | LS | | | \$_____ |
| 0022 | Stoplog Posts/ Miscellaneous Metals For Stoplogs | | LS | | | \$_____ |
| 0023 | Riprap | 21,537 | TONS | \$_____ | | \$_____ |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|---|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| 0024 | Bedding | 6,117 | TONS | \$_____ | | \$_____ |
| 0025 | Rockfill | 9,790 | TONS | \$_____ | | \$_____ |
| 0026 | Soil Surface Erosion Control | 11,968 | SY | \$_____ | | \$_____ |
| 0027 | Riverside Berm Fill | 167,000 | CY | \$_____ | | \$_____ |
| 0028 | Random Fill | 1,505,404 | CY | \$_____ | | \$_____ |
| 0029 | Impervious Fill | 401,302 | CY | \$_____ | | \$_____ |
| 0030 | Aggregate Surface Course | 5,100 | TON | \$_____ | | \$_____ |
| 0031 | Seeding & Mulching - Levee Mix | 78 | ACR | \$_____ | | \$_____ |
| 0032a | Seeding & Mulching - Native Grasses/Wild- flowers, Mixture "A" | 73 | ACR | \$_____ | | \$_____ |
| 0032b | Seeding and Mulching- Native Grasses/Wild- Flowers, Mixture "C" | 10 | ACR | \$_____ | | \$_____ |
| 0033 | Seeding & Mulching - Native Grasses, Mixture "B" | 93 | ACR | \$_____ | | \$_____ |
| 0034a | Trees (APM) | 2,800 | EA | \$_____ | | \$_____ |
| 0034b | Trees (Bare Root) | 21,000 | EA | \$_____ | | \$_____ |
| 0035 | Shrubs | 8,400 | EA | \$_____ | | \$_____ |
| 0036 | Free Board Gage | | LS | \$_____ | | \$_____ |

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BIDDING SCHEDULE

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|--------------------------|--------------------|-------------|-----------------------|-----------------|------------|
| 0037 | HTRW Contingency Plan | | LS | | | \$_____ |

OPTION SCHEDULE PHASE I

| | | | | | | |
|------|---------------------------------------|----|--------|---------|--|---------|
| 0038 | Government Field Office (OPTION 1) | 36 | MONTHS | \$_____ | | \$_____ |
|------|---------------------------------------|----|--------|---------|--|---------|

TOTAL BASE AND OPTION SCHEDULE PHASE I \$_____

PHASE I BID NOTES

Determination of the Bidder's total price for the proposed work will be based on the TOTAL of the BASE SCHEDULE and OPTION SCHEDULE. Immediate award will be made of the BASE SCHEDULE. At the option of the Government, the OPTION SCHEDULE may be awarded at the bid price after Notice of Award for the BASE SCHEDULE work. The Government does not guarantee any work beyond that of the BASE SCHEDULE. The Government reserves the right to pick up the OPTION SCHEDULE at the bid price within 60 calendar days after the Notice to Proceed. Bidders' attention is directed to SECTION 00100, paragraph titled "Evaluation of Options".

Following are descriptions of work for each bid item for purposes of determining measurement and payment.

0001 Mobilization/Demobilization – Mobilization of equipment and facilities during the contract is the transport, initial assembly and setup of construction equipment prior to project startup. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Fifty percent (50%) of Mobilization/Demobilization will be paid for Mobilization and the remaining fifty percent (50%) will be paid for demobilization.

0002a Design - Relocations – The work includes all labor, materials, and equipment required for the preparation and submittal of the final plans and specifications for the relocation of the specified items. The design component includes all labor, materials, and equipment required for the coordination, investigation, analysis, preparation, and submittal of the analysis and construction plans and specifications for the relocation of the specified utilities. The Government has entered the price for the design component identified on the bidding schedule. If the design component is performed by a subcontractor, the subcontractor shall furnish the Contractor itemized invoices showing the actual design component cost incurred, less betterments, for the relocation. The Contractor shall furnish the Government these itemized invoices, and invoices for design component work the Contractor has performed, for verification and possible

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BIDDING SCHEDULE (PHASE I BID NOTES)

negotiations. After the parties have agreed upon the design component amount, the Government will adjust the contract lump sum price for the respective design component to the agreed design component amount. No additional markups for the Contractor are to be added to the design component within the base bidding schedule or any negotiated amounts. The Government reserves the right to not award all or individual line items under the "Design - Relocations" Bid Item. If certain utility locations are not awarded under this contract, the Contractor will still be required to coordinate with the utility companies and to work around the utility company relocations that were not awarded.

0002b Design/Build Relocations – The item includes all work that is performed by the respective Contractor or subcontractor to relocate the existing utility over the levee. The Government has entered the price for the construction component identified on the bidding schedule. If the construction component is performed by a subcontractor, the subcontractor shall furnish the Contractor itemized invoices showing the actual construction component cost incurred, less betterments, for the relocation. The Contractor shall furnish the Government these itemized invoices, and invoices for construction component work the Contractor has performed, for verification and possible negotiations. After the parties have agreed upon the construction component amount, the Government will adjust the contract lump sum price for the respective construction component to the agreed construction component amount. No additional markups for the Contractor are to be added to the construction component within the base bidding schedule or any negotiated amounts. The Government reserves the right to not award all or individual line items under the "Design-Build Relocation" Bid Item. If certain utility locations are not awarded under this contract, the Contractor will still be required to coordinate with the utility companies and to work around the utility company relocations that were not awarded. The relocations includes the following:

- Conoco – Fuel Line Alterations – 8" Fuel Line, Sta 118+97
- Williams Natural Gas – Gas Line Alteration – 26" Gas Line, Sta 176+00

0003-Design Complete - Relocations – The work includes all work required to relocate items identified below. The work also includes utility investigation and analysis as well as overall utility coordination and scheduling.

- Intercontinental Corporation Utility Service Alteration – Air Line Relocation, Sta 40+51 - This item includes all work required to relocate Intercontinental Corporation 2" steel airline. The work includes clearing & grubbing, stripping and stockpiling of topsoil for pipeline right of ways, trench excavation, dewatering and shoring of trench walls as required; subgrade preparation and fine grading; providing, handling, connecting, and placing airline pipe and fittings; backfilling and compacting with clean excavated material; excavation for removal of existing airline to required limits; making new pipe connections; backfilling/compaction with clean excavated material; and testing of airline for leaks;
- Intercontinental Corporation Utility Service Alteration – 30" Storm Sewer Pipe – This item includes all work associated with the abandonment of the 30" Storm Sewer pipe.
- Intercontinental Corporation Utility Service Alteration – Electrical Line Relocation, Sta 41+03 - This item includes all work required to relocate Intercontinental Corporation Electric service line. The work includes clearing & grubbing, stripping and stockpiling of topsoil for pipeline right of ways, trench excavation, dewatering and shoring of trench walls as required; subgrade preparation and fine grading; providing, handling, connecting, and placing conduit and electric line; backfilling and compacting with clean excavated

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BIDDING SCHEDULE (PHASE I BID NOTES)

material; excavation for removal of existing electrical line to required limits; making new line connections; backfilling/compaction with clean excavated material; and testing of electrical lines;

- Intercontinental Corporation Utility Service Alteration – Remove Sanitary Lagoon Pipe and Manhole Connection and grouting of existing 8" pipe – The work includes clearing & grubbing, stripping and stockpiling of topsoil for replacement, excavation, dewatering and shoring as required, removal of pipe and manhole, backfilling and compaction with clean excavated material. The work also includes the grouting of the existing 8" sanitary pipe. (Station 40+30)
- Intercontinental Corporation Utility Service Alteration – Remove Sanitary Lagoon – The work includes all labor, equipment, and material necessary to dewater, excavate, load, haul, and dispose of the wastewater and sludge within the existing sanitary lagoon.
- Intercontinental Corporation Utility Service Alteration – Hopper Utility Service – This item includes all work associated with the extension of the electrical and air utility service to the relocated hopper.
- Intercontinental Ponding Area – This item includes all labor, equipment, and material necessary to excavate and create the southeast and west detention ponds and to fill the existing ponding area next to Intercon as shown. This also includes the entire drainage system leading to the southeast detention pond, and ditch construction and fill next to the southeast detention pond.
- Fence Removal -- Work also includes the removal of fence posts and associated concrete, chain link fabric, barbed wire, gates and associated hardware from the work site. Also included is hauling of material offsite, and proper disposal offsite. Fencing material is not to be reused.
- Shed/Hopper Relocation -- The removal/replacement of the existing shed, hopper, foundation and associated road and parking area.
- Station 158+00 – 24" Storm Sewer Removal – The work includes all labor, equipment, and materials required to remove the existing 24-inch storm sewer.
- Station 178+50 – Storm Sewer Removal – 15" CMP. The work includes the provision of all labor, equipment and materials required for the removal of the storm sewer.
- Station 177+50 – Culvert "A" – The work includes the provision of all labor, equipment, and materials required for the excavation, provision and pipejacking of 15" CMP, and backfilling.
- Station 177+50 – Culvert "B" – This work includes the provision of all labor, equipment, and materials required for excavation, provision and installation of 15" CMP, manhole, and backfilling.

0004 Clearing and Grubbing – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing the work site, the removal of trash and debris resulting from the clearing operations and the disposal of cleared and grubbed debris, trash and material resulting from the clearing operations.

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BIDDING SCHEDULE (PHASE I BID NOTES)

0005 Required Excavation – The work includes the provision of all labor, equipment, and materials required for the excavation and inspection of the inspection trench; excavation, loading, hauling, and dumping of the existing levee material; and the excavation, loading, hauling, and dumping of the borrow area material; the excavation, loading, hauling and dumping of the levee toe material for the placement of riprap and bedding.

0006 New Fencing – New fencing includes the provision and installation of corner/line/gate posts with concrete, brace bars, chainlink fabric, stretcher bars, truss rods with turnbuckles, line post wire ties, tension wire, wire hog rings, post brackets with barb wire, locking devices, plunger bar and all other details shown on drawings.

0007 Site Work for Q2 – The work includes the provision of all labor, equipment, and materials necessary for the demolition of the existing roadway and railroad, excavation for the pile cap, road raise, and railroad/roadway reconstruction.

0008 14 x 102 H-Piles – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

0009- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Fifty percent (50%) of Mobilization/Demobilization will be paid for Mobilization and the remaining fifty percent (50%) will be paid for demobilization.

0010 Test Piles – Tensile Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tensile test will be required.

0011 Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

0012 Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

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BIDDING SCHEDULE (PHASE I BID NOTES)

0013a I-Wall Sheetpiling (labor/equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

0013b I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

0014 Seepage Cutoff – This item includes all costs associated with trench excavation, furnishing and placement of nonwoven geotextile, furnishing and placement of vinyl sheetpile, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench, and furnishing and placement of pure high-swell sodium bentonite.

0015 I-Wall – I- Wall work includes structural excavation, backfilling/compaction with select soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

0016 Pile Cap – Pile Cap work includes structural excavation, backfilling/compaction with select soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; forming, pouring, finishing, and curing structural pile cap; and expansion joints.

0017 Closure Monolith Wall – The work includes all labor, equipment, and materials necessary to place forms, reinforcing, and concrete; work also includes finishing and curing concrete; metals associated with the closure monolith wall and associated welding.

0018 Closure Monolith Sill – The work includes all labor, equipment, and materials necessary to: perform structural excavation/backfilling/compaction; place forms, reinforcing, and concrete for the closure monolith sill/postwells; finish and cure concrete; place metals associated with the closure monolith sill/postwells and associated welding.

0019 Stoplogs – Type A – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the type "A" stoplogs in the channel slots.

0020 Stoplogs – Type B – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the type "B" stoplogs in the channel slots.

0021 Stoplog Storage Pedestals – The work includes all labor, equipment, and materials necessary to: perform structural excavation/backfilling/compaction; place forms, reinforcing, and concrete for the stoplog storage pedestals; finish and cure concrete; place metals and neoprene associated with the stoplog storage pedestals and associated welding. Also included in this item is the removal of the stoplogs and posts from the channel slots and postwells and placement/securing of the stoplogs and posts on the stoplog storage pedestals.

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE I BID NOTES)

0022 Stoplog Posts/Misc. Metals – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the Stoplog posts in the postwells.

0023 Riprap – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap until final acceptance by the government.

0024 Bedding – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the bedding material until the placement of riprap cover is completed.

0025 Rockfill – This item includes all labor, equipment, and material costs associated with furnishing, hauling, handling, and placement of rockfill material within the riverward berm slopes.

0026 Soil Surface Erosion Control – This item includes all costs associated with the furnishing and placement of erosion control material on the levee slopes in lieu of riprap and bedding material.

0027 Riverside Berm Fill - – This item includes all costs associated with excavating, hauling, handling, placing, and compacting the fill riverward of the levee between Sta 41+00 and 51+00, and the impervious material associated with the stability berm. Stripping of the borrow/levee area is not included in the quantities. Stripping is considered an incidental cost.

0028 Random Fill - – This item includes all costs associated with furnishing, handling, placing, and compacting the random material associated with the construction of the levee and underseepage berm. . Stripping of the borrow/levee area is not included in the quantities. Stripping is considered an incidental cost. Cost also includes required hydrographic surveys.

0029 Impervious Fill - – This item includes all labor, equipment, and material costs associated with: backfilling and compacting the inspection trench; excavation, hauling, handling, placement, and compaction of impervious material for the levee, area fill, and overbuild. Costs also include placing topsoil within required limits. Stripping of the borrow/levee area is not included in the quantities. Stripping is considered an incidental cost.

0030 Aggregate Surface Course – This item includes all cost associated with furnishing, hauling, handling, placing, and compacting the surfacing material.

0031 Seeding and Mulching Levee Mixture – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Levee Mixture seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0032a Seeding and Mulching - Native Grass/Wildflower - Mixture “A”– This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses/Wildflower - Mixture “A” seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0032b Seeding and Mulching – Native Grass/Wildflower – Mixture “C” – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses/Wildflower- Mixture “C” seed, mulch and other required additives, maintenance, re-seeding and guarantee.

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BIDDING SCHEDULE (PHASE I BID NOTES)

0033 Seeding and Mulching - Native Grasses - Mixture "B" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses - Mixture "B" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0034a Trees (APM) – The work includes all labor, equipment, and materials necessary to provide and plant the specified APM trees.

0034b Trees (Bare Root) – The work includes all labor, equipment, and materials necessary to provide and plant the specified Bare Root trees.

0035 Shrubs – The work includes all labor, equipment, and materials necessary to provide and plant the specified shrubs.

0036 Free Board Gage – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the free board gages including but not limited to surveying, removal/replacement of riprap, hand excavation/backfilling/compaction, welding, painting, and signage. Three free board gages will be required.

0037 HTRW Contingency Plan – The cost includes all work associated with writing, reviewing, submitting, and revising the HTRW Contingency Plan. This includes the development and submittal of a Sampling and Analysis Plan and a Site Safety and Health Plan, which make up the HTRW Contingency Plan. Costs for implementation of the plan are not included.

0038 Government Field Office – Bidder is directed to Section 01500 TEMPORARY CONSTRUCTION FACILITIES.

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|-------------------------------------|--------------------|-------------|-----------------------|-----------------|------------|
| 0039 | Mobilization/ Demobilization | | LS | | | \$_____ |
| 0040 | Design-Build Relocations | | | | | |
| | a. Mo. Gas Energy - Design | | LS | | | \$54,650 |
| | - Station 5+94 Q | | LS | | \$ 4,150 | |
| | - Station 6+60 Q | | LS | | \$ 4,150 | |
| | - Station 216+26 Q | | LS | | \$34,200 | |
| | - Station 7+33 R | | LS | | \$ 3,900 | |
| | - Station 79+96 R | | LS | | \$ 4,400 | |
| | - All other Stations | | LS | | \$ 3,850 | |
| | b. Mo. Gas Energy – Construction | | LS | | | \$500,000 |
| | - Station 5+94 Q | | LS | | \$ 53,000 | |
| | - Station 6+60 Q | | LS | | \$ 47,300 | |
| | - Station 216+26 Q | | LS | | \$245,500 | |
| | - Station 7+33 R | | LS | | \$ 37,000 | |
| | - Station 79+96 R | | LS | | \$ 47,200 | |
| | - All other Stations | | LS | | \$ 70,000 | |
| | c. Mo.-Amer Water - Design | | LS | | | \$ 19,630 |
| | - Station 2+62 Q | | LS | | \$ 3,800 | |
| | - Station 12+46 Q | | LS | | \$ 5,000 | |
| | - Station 205+55 Q | | LS | | \$ 2,700 | |
| | - Station 241+54 Q | | LS | | \$ 1,380 | |
| | - Station 6+92 R | | LS | | \$ 1,800 | |
| | - Station 19+40 R | | LS | | \$ 3,300 | |
| | - Station 79+58 R | | LS | | \$ 1,650 | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|-----------------|--|----------------|-------------|-------------------|-----------------|------------|
| d. | Mo.-Amer Water – Construction | | LS | | | \$400,000 |
| | - Station 2+62 Q | | LS | \$ 60,000 | | |
| | - Station 12+46 Q | | LS | \$125,000 | | |
| | - Station 205+55 Q | | LS | \$ 55,000 | | |
| | - Station 241+54 Q | | LS | \$ 40,000 | | |
| | - Station 6+92 R | | LS | \$ 50,000 | | |
| | - Station 19+40 R | | LS | \$ 45,000 | | |
| | - Station 79+58 R | | LS | \$ 25,000 | | |
| e. | Southwestern Bell Telephone – Design | | LS | | | \$ 32,000 |
| | - Station 11+71 Q | | LS | \$ 3,700 | | |
| | - Station 79+76 R | | LS | \$ 2,000 | | |
| | - All other Stations R | | LS | \$19,100 | | |
| | - All other Stations Q | | LS | \$ 7,200 | | |
| f. | Southwestern Bell Telephone - Construction | | LS | | | \$300,000 |
| | - Station 11+71 Q | | LS | \$ 15,000 | | |
| | - Station 79+76 R | | LS | \$ 75,000 | | |
| | - All other Stations R | | LS | \$ 85,000 | | |
| | - All other Stations Q | | LS | \$125,000 | | |
| g. | City of KCMO - Design | | LS | | | \$ 12,380 |
| | - Station 205+22 Q | | LS | \$ 5,700 | | |
| | - Station 79+94 R | | LS | \$ 0 | | |
| | - Station 80+66 R | | LS | \$ 0 | | |
| | - All other Stations | | LS | \$ 6,680 | | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|---|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| | h. City of KCMO - Construction | | LS | | | \$275,000 |
| | - Station 205+22 Q | | LS | | \$ 65,000 | |
| | - Station 79+94 R | | LS | | \$ 9,000 | |
| | - Station 80+66 R | | LS | | \$ 6,000 | |
| | - All other Stations | | LS | | \$195,000 | |
| | i. Equilon - Design | | LS | | | \$ 6,200 |
| | j. Equilon - Construction | | LS | | | \$200,000 |
| | k. Conoco - Design | | LS | | | \$ 6,100 |
| | l. Conoco - Construction | | LS | | | \$150,000 |
| | m. AT&T - Design | | LS | | | \$ 33,000 |
| | n. AT&T - Construction | | LS | | | \$150,000 |
| | o. Williams Energy - Design | | LS | | | \$ 42,590 |
| | - Station 13+09 Q | | LS | | \$ 7,900 | |
| | - Station 185+20 Q | | LS | | \$ 7,180 | |
| | - All other Stations | | LS | | \$27,510 | |
| | p. Williams Energy – Construction | | LS | | | \$600,000 |
| | - Station 13+09 Q | | LS | | \$110,000 | |
| | - Station 185+20 Q | | LS | | \$ 70,000 | |
| | - All other Stations | | LS | | \$420,000 | |
| | q. Williams Natural Gas – Design | | LS | | | \$ 21,600 |
| | r. Williams Natural Gas – Construction | | LS | | | \$200,000 |
| | s. Williams – Communication - Design | | LS | | | \$ 23,500 |
| | t. Williams Communication - Construction | | LS | | | \$ 25,000 |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|-----------------|--|----------------|-------------|-------------------|-----------------|------------|
| u. | Argosy – Design | | LS | | | \$ 14,240 |
| | - Station 196+76 Q | | LS | | \$ 1,000 | |
| | - Station 196+49 Q | | LS | | \$ 1,000 | |
| | - All other work | | LS | | \$12,240 | |
| v. | Argosy – Construction | | LS | | | \$500,000 |
| | - Station 196+76 Q | | LS | | \$ 60,000 | |
| | - Station 196+49 Q | | LS | | \$ 65,000 | |
| | - All other work | | LS | | \$375,000 | |
| w. | City of Riverside - Design | | LS | | | \$ 30,000 |
| x. | City of Riverside - Construction | | LS | | | \$250,000 |
| y. | KCPL - Design | | LS | | | \$ 28,050 |
| | - Quindaro Levee | | LS | | \$ 13,700 | |
| | - Riverside Levee | | LS | | \$ 14,350 | |
| z. | KCPL - Construction | | LS | | | \$500,000 |
| | - Quindaro Levee | | LS | | \$185,000 | |
| | - Riverside Levee | | LS | | \$315,000 | |
| 0041a | Demolition/Sitework (Quindaro) | | LS | | | \$_____ |
| 0041b | New Fencing (Quindaro/Riverside) | 4,209 | LF | \$_____ | | \$_____ |
| 0042 | Protective Services for Q1/Q3 | | LS | | | \$ 190,000 |
| 0043 | Construction Staging by Railroad for Q1/Q3 | | LS | | | \$ 450,000 |
| 0044 | H-Piles 14x102 | 20,392 | LF | \$_____ | | \$_____ |

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(Levee Unit L-385), Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|-----------------------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| 0045 | Not Used | | | | | |
| 0046 | Not Used | | | | | |
| 0047 | Not Used | | | | | |
| <u>Quindaro Pump Plant</u> | | | | | | |
| 0048a | Ponding Area Excavation | 160,000 | CY | \$_____ | | \$_____ |
| 0048b | Ponding Area Over- Excavation | 33,700 | CY | \$_____ | | \$_____ |
| 0049 | Structural Excavation | 27,709 | CY | \$_____ | | \$_____ |
| 0050 | Inlet/Outlet Ditch | | LS | | | \$_____ |
| 0051 | Backfilling | 23,981 | CY | \$_____ | | \$_____ |
| 0052 | Riprap | 874 | TONS | \$_____ | | \$_____ |
| 0053 | Geotextile used as Filter Material | 12,492 | SF | \$_____ | | \$_____ |
| 0054 | All other Items | | LS | | | \$_____ |
| | -Inlet Structure | | LS | | \$_____ | |
| | -Trash Rack | | LS | | \$_____ | |
| | -108" Reinforced Concrete Pipe | | LS | | \$_____ | |
| | -Twin 9'x9' Reinforced Concrete Box | | LS | | \$_____ | |
| | -Pump Plant | | LS | | \$_____ | |
| | -Pump Plant Metals (incl vents/Discharge Pipe | | LS | | \$_____ | |
| | -Pumps/Pump Controls | | LS | | \$_____ | |
| | - 108" Sluice Gate | | LS | | \$_____ | |
| | -Electrical Work | | LS | | \$_____ | |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|--|--------------------|-------------|-----------------------|-----------------|------------|
| | -Electrical Service to Pump Plant | | LS | | \$ _____ | |
| | -Outlet Structure | | LS | | \$ _____ | |
| | -108" Dia Flap Gate | | LS | | \$ _____ | |
| | -Free Board Gages | | LS | | \$ _____ | |
| | -Gabions on Inlet Ditch | | LS | | \$ _____ | |
| 0055 | <u>Stoplog Gap Q0</u> | | LS | | | \$ _____ |
| | -Construction Staging for Q0 | | LS | | \$ _____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$ _____ | |
| | -Test Piles-Lateral Load Test | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling | | LS | | \$ _____ | |
| | -Seepage Cutoff Wall | | LS | | \$ _____ | |
| | -North Transition Wall | | LS | | \$ _____ | |
| | -South Transition Wall | | LS | | \$ _____ | |
| | -Monolith 21 | | LS | | \$ _____ | |
| | -Monolith 22 | | LS | | \$ _____ | |
| | -Closure Monolith | | LS | | \$ _____ | |
| | -Stoplogs/Associated Metals for Q0 | | LS | | \$ _____ | |
| | -Pavement Reconstruction | | LS | | \$ _____ | |
| 0056 | <u>Rolling Gate Q1</u> | | LS | | | \$ _____ |
| | -Construction Staging by Contractor | | LS | | \$ _____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$ _____ | |
| | -Test Piles – Tensile Load Test | | LS | | \$ _____ | |
| | -Test Piles – Lateral Load Test | | LS | | \$ _____ | |
| | -Test Piles – Compressive Load Test | | LS | | \$ _____ | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 29,000 | |
| | -Seepage Cutoff Wall | | LS | | \$ _____ | |
| | -I-Wall Concrete | | LS | | \$ _____ | |
| | -Storage Monolith | | LS | | \$ _____ | |
| | -Monolith 23 (Corner Monolith) | | LS | | \$ _____ | |
| | -Closure Monolith | | LS | | \$ _____ | |
| | -Rolling Gate Q1 | | LS | | \$ _____ | |
| | -Pavement Reconstruction | | LS | | \$ _____ | |
| 0057 | <u>Rolling Gate Q3</u> | | LS | | | \$ _____ |
| | -Construction Staging | | LS | | \$ _____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$ _____ | |
| | -Test Piles – Tensile Load Test | | LS | | \$ _____ | |
| | -Test Piles – Lateral Load Test | | LS | | \$ _____ | |
| | -Test Piles – Compressive Load Test | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 28,000 | |
| | -Seepage Cutoff Wall | | LS | | \$ _____ | |
| | -I-Wall Concrete | | LS | | \$ _____ | |
| | -Storage Monolith | | LS | | \$ _____ | |
| | -Closure Monolith | | LS | | \$ _____ | |
| | -Rolling Gate Q3 | | LS | | \$ _____ | |
| 0058 | <u>Stoplog Gap Q3A</u> | | LS | | | \$ _____ |
| | -Construction Staging | | LS | | \$ _____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$ _____ | |
| | -Test Piles – Lateral Load Test | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling | | LS | | \$ _____ | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|------------------------------|--|--------------------|-------------|-----------------------|-----------------|------------|
| | -Seepage Cutoff Wall Not Used | | LS | | \$_____ | |
| | -M28 | | LS | | \$_____ | |
| | -M29 | | LS | | \$_____ | |
| | -Closure Monolith | | LS | | \$_____ | |
| | -Stoplogs/Associated Metals for Q3a | | LS | | \$_____ | |
| | -Pavement Reconstruction | | LS | | \$_____ | |
| 0059a | <u>Drainage Systems</u> <u>(Quindaro)</u> | | LS | | | \$_____ |
| | -Gateway #2 | | LS | | \$_____ | |
| | -Gateway #4 without Pipe Laterals | | LS | | \$_____ | |
| | -Drainage System #8 | | LS | | \$_____ | |
| | -Hwy 9 Earthwork and Drainage System | | LS | | \$_____ | |
| 0059b | <u>Argosy Bumpout</u> | | LS | | \$_____ | |
| | I-Wall Sheetpiling (Labor/ Equipment) | | LS | \$_____ | | |
| | I-Wall Sheetpiling (Material) | | LS | \$ 28,000 | | |
| | I-Wall Concrete | | LS | \$_____ | | |
| | Gateway #4a With Laterals | | LS | \$_____ | | |
| | Gateway #4- Pipe Laterals | | LS | \$_____ | | |
| <u>Quindaro Levee</u> | | | | | | |
| 0060 | Clearing and Grubbing | | LS | | | \$_____ |
| 0061 | Inspection Trench Excavation | 18,682 | CY | \$_____ | | \$_____ |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|--|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| 0062 | Exc/Disposal of Unsuitable Material | 10,890 | CY | \$_____ | | \$_____ |
| 0063 | Riverside Berm Fill | 25,604 | CY | \$_____ | | \$_____ |
| 0064 | Random Fill | 194,889 | CY | \$_____ | | \$_____ |
| 0065 | Impervious Fill | 148,555 | CY | \$_____ | | \$_____ |
| 0066 | Landside Berm Fill | 77,339 | CY | \$_____ | | \$_____ |
| 0067 | Burlington Creek Rockfill | 3,903 | TONS | \$_____ | | \$_____ |
| 0068 | Aggregate Surface Course | 1,996 | TONS | \$_____ | | \$_____ |
| 0069 | Riprap | 9,810 | TONS | \$_____ | | \$_____ |
| 0070 | Bedding | 2,952 | TONS | \$_____ | | \$_____ |
| 0071 | Soil Surface Erosion Control Material | 2,585 | SY | \$_____ | | \$_____ |
| 0072 | Geotextile used as Filter Material | 2,856 | SY | \$_____ | | \$_____ |
| 0073 | Riprap Truckload Test | | LS | \$_____ | | \$_____ |
| 0074 | NW Platte Road Raise | | LS | | | \$_____ |
| 0075a | Seeding & Mulching – Levee Mix | 31.3 | ACR | \$_____ | | \$_____ |
| 0075b | Seeding & Mulching – Native Grasses, Mixture "B" | 21.3 | ACR | \$_____ | | \$_____ |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| 0076 | <u>Stoplog Gap R1a</u> | | LS | | | \$_____ |
| | -Construction Staging | | LS | | \$_____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$_____ | |
| | -Test Piles – Tensile Load Test | | LS | | \$_____ | |
| | -Test Piles – Lateral Load Test | | LS | | \$_____ | |
| | -Test Piles – Compressive Load Test | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 19,000 | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -I-Wall Concrete | | LS | | \$_____ | |
| | -M25 | | LS | | \$_____ | |
| | -M26 | | LS | | \$_____ | |
| | -Closure Monolith | | LS | | \$_____ | |
| | -Stoplogs/Assoc. Metals for R1a | | LS | | \$_____ | |
| | -Pavement Reconstruction | | LS | | \$_____ | |

Rolling Gate R2

| | | | | | | |
|------|--------------------------------------|-------|----|---------|--|---------|
| 0077 | Construction Staging | | LS | | | \$_____ |
| 0078 | 24" Dia. Auger Cast Piles | 2,709 | LF | \$_____ | | \$_____ |
| 0079 | 36" Dia. Drilled Piers | 166 | LF | \$_____ | | \$_____ |
| 0080 | 24" Dia. Drilled Piers | 381 | LF | \$_____ | | \$_____ |
| 0081 | All Other Work Associated with R2 | | LS | | | \$_____ |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|--|--------------------|-------------|-----------------------|-----------------|------------|
| | -Test Piles - Mob/ Demob | | LS | | \$ _____ | |
| | -Test Piles – Compressive Load Test | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 13,000 | |
| | -Seepage Cutoff Wall | | LS | | \$ _____ | |
| | -I-Wall Concrete | | LS | | \$ _____ | |
| | -Storage Monolith | | LS | | \$ _____ | |
| | -Closure Monolith (S) | | LS | | \$ _____ | |
| | -Closure Monolith (C) | | LS | | \$ _____ | |
| | -Closure Monolith (N) | | LS | | \$ _____ | |
| | -Floodwall Monolith (1) | | LS | | \$ _____ | |
| | -Floodwall Monolith (2) | | LS | | \$ _____ | |
| | -Floodwall Monolith (3) | | LS | | \$ _____ | |
| | -Corner Monolith | | LS | | \$ _____ | |
| | -R2 Sanitary Sewer Relocation | | LS | | \$ _____ | |
| | -Rolling Gate R2 | | LS | | \$ _____ | |
| | -Pavement Reconstruction | | LS | | \$ _____ | |

Line Creek Floodwall

| | | | | | | |
|------|---|--------|----|----------|-----------|----------|
| 0082 | 16" Pipe Piles | 16,895 | LF | \$ _____ | | \$ _____ |
| 0083 | 24" Pipe Piles | 1,098 | LF | \$ _____ | | \$ _____ |
| 0084 | All Other Work Assoc w/ Line Creek FW | | LS | | | \$ _____ |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 30,000 | |
| | -Seepage Cutoff Wall | | LS | | \$ _____ | |
| | -I-Wall Concrete | | LS | | \$ _____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$ _____ | |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|--|--------------------|--------------------|-------------|-----------------------|-----------------|------------|
| -Test Piles – Tensile Load Test | | | LS | | \$_____ | |
| -Test Piles – Lateral Load Test | | | LS | | \$_____ | |
| -Test Piles – Compressive Load Test | | | LS | | \$_____ | |
| -Pile Cap | | | LS | | \$_____ | |
| -Floodwall Stem | | | LS | | \$_____ | |

Line Creek

| | | | | | | |
|-------|--------------------------------|---------|------|---------|--|---------|
| 0085 | HTRW Contingency Plan | | LS | | | \$_____ |
| 0086a | Demolition | | LS | | | \$_____ |
| 0086b | Salvage of City Buildings | | LS | | | \$_____ |
| 0087 | Line Creek Excavation | 185,841 | CY | \$_____ | | \$_____ |
| 0088 | Line Creek Fill | 25,111 | CY | \$_____ | | \$_____ |
| 0089 | Hydraulic Drop Structures | | LS | | | \$_____ |
| 0090 | 42" Riprap | 4,196 | TONS | \$_____ | | \$_____ |
| 0091 | 18" Riprap | 20,678 | TONS | \$_____ | | \$_____ |
| 0092 | Rockfill | 59,502 | TONS | \$_____ | | \$_____ |
| 0093 | Spalls | 1,326 | TONS | \$_____ | | \$_____ |
| 0094 | Bedding | 6,766 | TONS | \$_____ | | \$_____ |
| 0095 | Geotextiles Used as Filters | 312 | SY | \$_____ | | \$_____ |
| 0096 | Riprap Truckload Test | | LS | \$_____ | | \$_____ |

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Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|-------------------------------|--|--------------------|-------------|-----------------------|-----------------|------------|
| <u>Riverside Levee</u> | | | | | | |
| 0097 | Clearing and Grubbing | | LS | | | \$_____ |
| 0098 | Demolition | | LS | | | \$_____ |
| 0099 | Excavation of Unsuitable Material | 17,500 | CY | \$_____ | | \$_____ |
| 0100 | Inspection Trench Excavation | 13,213 | CY | \$_____ | | \$_____ |
| 0101 | Riverside Berm Fill | 28,238 | CY | \$_____ | | \$_____ |
| 0102 | Levee Random Fill | 96,884 | CY | \$_____ | | \$_____ |
| 0103 | Levee Impervious Fill | 115,162 | CY | \$_____ | | \$_____ |
| 0104 | Landside Berm Fill | 1,293 | CY | \$_____ | | \$_____ |
| 0105 | Crushed Rock Surfacing | 1,386 | TONS | \$_____ | | \$_____ |
| 0106a | Seeding and Mulching – Levee Mix | 21.3 | ACR | \$_____ | | \$_____ |
| 0106b | Seeding and Mulching – Native Grasses, Mixture "B" | 8.5 | ACR | \$_____ | | \$_____ |
| 0107 | Pavement Replacement | | LS | | | \$_____ |
| 0108 | <u>Drainage Systems (Riverside)</u> | | LS | | | \$_____ |
| | Gatewell #7 | | LS | | \$_____ | |
| | Gatewell #8 | | LS | | \$_____ | |
| | Gatewell #9 | | LS | | \$_____ | |
| | GW#9 Relief Wells 5&6 | | LS | | \$_____ | |
| | Gatewell #10 | | LS | | \$_____ | |
| | Gatewell #11 | | LS | | \$_____ | |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|------------------------|--|-----------------------|--------------------|--------------------------|------------------------|-------------------|
| | GW#11 Relief Wells 1 thru 4 | | LS | | \$_____ | |
| | Sewer System #1 - Design | | LS | | \$_____ | |
| | Sewer System #1 - Construction | | LS | | \$ 775,000 | |
| | Drainage System #2 | | LS | | \$_____ | |
| | Drainage System #3 | | LS | | \$_____ | |
| | Drainage System #4 | | LS | | \$_____ | |
| | Drainage System #5 | | LS | | \$_____ | |
| | Drainage System #6A | | LS | | \$_____ | |
| | Drainage System #6B | | LS | | \$_____ | |
| | Drainage System at 9B | | LS | | \$_____ | |
| | Interior Detention Basin South Red-X | | LS | | \$_____ | |
| | Red-X Ditch | | LS | | \$_____ | |
| | Drainage System @ Prologis | | LS | | \$_____ | |
| | Drainage System @ Prologis, Tract 187 | | | | | |
| | Relief Wells 7&8 @ Prologis | | LS | | \$_____ | |
| | Gabions @ Floodwall | | LS | | \$_____ | |
| | Modular Block Wall at Kitterman | | LS | | \$_____ | |

OPTION SCHEDULE PHASE II

| | | | | | | |
|-------|---------------------------------------|--------|--------|---------|--|---------|
| 0109a | Government Field Office (OPTION 1) | 36 | MONTHS | \$_____ | | \$_____ |
| 0109b | Anti-Graffiti Sealer (OPTION 2) | 54,300 | SF | \$_____ | | \$_____ |

TOTAL BASE AND OPTION SCHEDULE PHASE II \$_____

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385), Riverside, Missouri

Determination of the Bidder's total price for the proposed work will be based on the TOTAL of the BASE SCHEDULE and OPTION SCHEDULE. Immediate award will be made of the BASE SCHEDULE. At the option of the Government, the OPTION SCHEDULE may be awarded at the bid price after Notice of Award for the BASE SCHEDULE work. The Government does not guarantee any work beyond that of the BASE SCHEDULE. The Government reserves the right to pick up the OPTION SCHEDULE at the bid price within 60 calendar days after the Notice to Proceed. Bidders' attention is directed to SECTION 00100, paragraph titled "Evaluation of Options".

Following are descriptions of work for each bid item for purposes of determining measurement and Payment.

BIDDING SCHEDULE (PHASE II BID NOTES)

0039: Mobilization/Demobilization – Mobilization of equipment and facilities during the contract is the transport, initial assembly and setup of construction equipment prior to project startup. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Fifty percent (50%) of Mobilization/Demobilization will be paid for Mobilization and the remaining fifty percent (50%) will be paid for demobilization.

0040: Design/Build Relocations – Each relocation identified is comprised of two components: design and construction. The design component includes all labor, materials, and equipment required for the coordination, investigation, analysis, preparation, and submittal of the analysis and construction plans and specifications for the relocation of the specified utilities. The construction component includes all work to be completed per the approved relocation construction plans and specifications by the respective Contractor or subcontractor. The Government has entered the price for the design/construction component identified on the bidding schedule. If the design/construction component is performed by a subcontractor, the subcontractor shall furnish the Contractor itemized invoices showing the actual component cost incurred, less betterments, for the relocation. The Contractor shall furnish the Government these itemized invoices, and invoices for the component work the Contractor has performed, for verification and possible negotiations. After the parties have agreed upon the component amount, the Government will adjust the contract lump sum price for the respective component to the agreed component amount. No additional markups for the Contractor are to be added to the component within the base bidding schedule or any negotiated amounts. The Government reserves the right to not award all or individual line items under the "Design-Build Relocation" Bid Item. If certain utility locations are not awarded under this contract, the Contractor will still be required to coordinate with the utility companies and to work around the utility company relocations that were not awarded.

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE II BID NOTES)

0041a: Demolition/Site Work (Quindaro) – This item includes all labor, equipment, and materials costs associated with Fence removal and disposal of fence to be removed. This item also includes all labor, equipment, and material costs associated with the demolition of the East and West Parking Lots of Argosy including saw cutting of pavement, pavement removal and disposal, curb removal and disposal, light pole removal and disposal, manhole removal and disposal, pipe demolition and disposal, curb inlet removal and disposal, and the abandonment of pipes. Also included in this item is the new pavement, curb, and light poles at the Argosy.

0041b: New Fencing (Quindaro and Riverside) -- New fencing includes the provision and installation of corner/line/gate posts with concrete, brace bars, chainlink fabric, stretcher bars, truss rods with turnbuckles, line post wire ties, tension wire, wire hog rings, post brackets with barb wire, locking devices, plunger bar and all other details shown on drawings.

0042: Protective Services - This item includes all work that is performed by the railroad as protective services in the installation of Q1 and Q3. The railroad shall furnish the Contractor itemized invoices showing the actual cost incurred, less betterments, for the protective services. The contractor shall furnish the government these itemized invoices for verification and possible negotiations. After the parties have agreed upon the amount, the government will adjust the contract lump sum price for this item to the agreed protective services amount. No additional markups for the contractor are to be added to the railroad's charges. This cost will be handled as a pass thru cost.

0043: Construction Staging by Railroad for Q1/Q3 – This item includes all costs associated with track related work associated with the routing of the trains to the active tracks. This item does not include temporary sheetpiling, excavation, backfilling, signage, or demolition of pavement. The railroad shall furnish the Contractor itemized invoices showing the actual cost incurred, less betterments, for the construction staging. The Contractor shall furnish the government these itemized invoices for verification and possible negotiations. After the parties have agreed upon the amount, the government will adjust the contract lump sum price for this item to the agreed construction staging amount. No additional markups for the Contractor are to be added to the railroad's charges. This cost will be handled as a pass through cost.

0044: H-Piles 14x 102 – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

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Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE II BID NOTES)

0045: Not Used

0046: Not Used

0047: Not Used

0048a: Ponding Area Excavation – This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, and dumping of material from the Ponding area limits.

0048b: Ponding Area Over-Excavation – This item includes all labor, equipment, and material costs associated with the excavation, manipulation, and disposition of the material excavated below the ponding area limits shown on the plans. If the Contractor elects to use an alternate disposal area in accordance with the specifications, no cost shall be entered for this item.

0049: Structural Excavation– This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, and dumping of material from the inlet, pipe, pump plant, and outlet limits. This item also includes any dewatering necessary to construct pump plant and associated items.

0050: Inlet/Outlet Ditch– This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, and dumping of material from the inlet/outlet ditch limits.

0051: Backfilling– This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, dumping, spreading, and compaction of material for the inlet, pipe, pump plant, and outlet limits. This item does not include fill for the levee embankment.

0052: Riprap – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap until final acceptance by the government for the pump plant ditch. This item does not include riprap for the gabions.

0053: Geotextile Used As Filter Material—This item includes all costs associated with the furnishing and placement of geotextile material on the inlet/outlet ditch slopes below riprap material.

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE II BID NOTES)

0054: All Other Items for the Quindaro Pump Plant (which include the following items).

- Inlet Structure – The work includes all labor, equipment, and materials necessary to: perform toe excavation; place sheetpiling; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete.
- Trash Rack – The work includes all labor, equipment, and materials necessary to fabricate and install trash racks on the inlet structure.
- 108" Reinforced Concrete Pipe – The work includes all labor, equipment, and materials necessary to: perform subgrade preparation for pipe shaping and cradles; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe.
- Twin 9'x9' Reinforced Concrete Box – The work includes all labor, equipment, and materials necessary to: perform subgrade preparation for RCB; place forms, reinforcing, and concrete for the RCB; finish and cure concrete: installation of collar, expansion joints, and waterstops.
- Pump Plant – The work includes all labor, equipment, and materials necessary to: perform subgrade preparation; place forms, reinforcing, and concrete for the pump plant base, walls, and elevated slab; finish and cure concrete.
- Pump Plant Metals – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install pump plant metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, gate operator platform, guard railing, chains, and fencing. Cost also includes the fabrication, installation/removal, and storage of stoplogs.
- Pumps/Pump Controls – The work includes all labor, equipment, and material necessary furnish and install pumps, discharge tubes, and pump controls.
- 108" Sluice Gate – The work includes all labor, equipment, and materials necessary to furnish and install wall thimble, sluice gate, stem, and gate operators.
- Electrical Work – The work includes all labor, equipment, and materials necessary to provide an electrical service drop, motor control center, transformers, grounding, wiring and conductors.
- Electrical Service to Pump Plant – The work includes all labor, equipment, and materials necessary to provide electrical service to the Pump Plant, including; tap in connection, trenching, conduits, riser poles, electrical poles, and wiring.
- Outlet Structure – The work includes all labor, equipment, and materials necessary to: perform toe excavation; place sheetpiling; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete.
- 108" Flap Gate – The work includes all labor, equipment, and materials necessary to furnish and install wall thimbles and flap gate.

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BIDDING SCHEDULE (PHASE II BID NOTES)

- Free Board Gages – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the free board gages including but not limited to surveying, welding, painting, and signage.
- Gabions on inlet Ditch - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap and cages until final acceptance by the government for the gabion protection at I635.

0055 Stoplog Gap Q0 – Includes the following items:

- Construction Staging – This item includes all costs associated with traffic control, related signage, and site preparation necessary in order to begin construction of stoplog structure Q0. Site preparation includes demolition of pavement, temporary pavement, fill material, removal of temporary pavement, excavation, backfilling (not including levee embankment), compaction, and concrete barriers.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.
- I-Wall Sheetpiling – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with furnishing, handling, storing, and installing vinyl sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto.
- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.
- North Transition Wall – North Floodwall work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, and colored floodwall.
- South Transition Wall – South Floodwall work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, and colored floodwall.
- Monolith 21 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall work.

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BIDDING SCHEDULE (PHASE II BID NOTES)

- Monolith 22 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall work.
- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, colored abutment wall, and colored center abutment with texturing.
- Stoplogs/Associated Metals for Q0 – The work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the stoplogs. The work also includes all associated metals required for the proper erection and operation of the stoplog structure.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coats and tack coats, to a smooth transition to existing pavement, new concrete pavement, guardrails, and pavement marking.

0056: Rolling Gate Q1 – Includes the following items:

- Construction Staging – This item includes all costs associated with traffic control, related signage, temporary sheetpiling, excavation, and any other site preparation necessary in order to accomplish the construction of rolling gate Q1. Site preparation includes demolition and disposal of pavement, excavation for pile cap, backfilling (not including levee embankment), compaction, and temporary access road.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tension test will be required.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

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BIDDING SCHEDULE (PHASE II BID NOTES)

- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

-I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Storage Monolith – Storage Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, floodwall, support pedestals, slab end caps, and raised slab.

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BIDDING SCHEDULE (PHASE II BID NOTES)

- Monolith 23 (Corner Monolith)– Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab and floodwall work.
- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall, support pedestals, gate sill, and railroad sill for each closure monolith section.
- Rolling Gate Q1 – The Rolling Gate work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the rolling gate. The work also includes painting, and winch system.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime and tack coats, to a smooth transition to existing pavement. Work also includes striping where required.

0057: Rolling Gate Q3 – Includes the following items:

- Construction Staging – – This item includes all costs associated with temporary sheetpiling, excavation for pile cap, backfilling (not including levee embankment), compaction, and any other incidental site preparation necessary in order to accomplish the construction of rolling gate Q3.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tension test will be required.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.
- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment;

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BIDDING SCHEDULE (PHASE II BID NOTES)

placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Storage Monolith – Storage Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, floodwall, support pedestals, slab end caps, and raised slab.

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- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall, support pedestals, gate sill, and railroad sill for each closure monolith section.

- Rolling Gate Q3 – The Rolling Gate work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the rolling gate. The work also includes painting, and winch system.

0058: Stoplog Gap Q3A – Includes the following work:

- Construction Staging – This item includes all costs associated with traffic control, related signage, and any other site preparation necessary in order to accomplish the construction of rolling gate Q3A. Site preparation includes demolition and disposal of pavement, excavation, the provision and placement of fill material, backfilling (not including the levee embankment), and compaction.

- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

- I-Wall Sheetpiling – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with furnishing, handling, storing, and installing vinyl sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- M28 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab, and colored floodwall.

- M29 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab, and colored floodwall.

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- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments.
- Stoplogs/Associated Metals for Q3A – The work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the stoplogs. The work also includes all associated metals required for the proper erection and operation of the stoplog structure.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0059a: Drainage Systems (Quindaro) – Includes the following items:

- Gatewell Structure #2 – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 54" Flap gate. This item also includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap/bedding for the outlet structure on Gatewell #2 until final acceptance by the government.
- Gatewell Structure #4 without Pipe Laterals– The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation/compaction for 60" RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place 60" reinforced concrete pipe; perform structural excavation for inlet ditch/inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet and ditch; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 60" Flap gate. This item also includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap/bedding for the outlet structure on Gatewell #4 until final acceptance by the government.

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- Drainage System #8 - – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gateway structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gateway metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for inlet ditch/inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet and ditch; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 60" Flap gate; This item also includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap/bedding for the outlet structure on Drainage System #8 until final acceptance by the government.

- Highway 9 Earthwork and Drainage System – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing, ditch excavation, impervious fill, plugging of a storm drain, bore/jack and grade highway 9 ramp. Seeding and mulching are included with Item 0075 Seeding and Mulching.

0059b: Argosy Bumpout – Includes the following items:

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

-I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Gateway 4a with Pipe Laterals – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing and concrete for the gateway structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gateway metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains and pipe stands; perform excavation/backfilling/compaction of RCP, manholes and catch

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basins; perform subgrade preparation and fine grading; place forms, reinforcing and concrete for the pipe cradles; finish and cure concrete; furnish, handle and place reinforced concrete pipe, manholes and catch basins; perform structural excavation for outlet; place forms, reinforcing and concrete for the concrete outlet structure base and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 48" flap gate. This item also includes all cost associated with furnishing, hauling, handling, placing and maintaining the riprap/bedding and filter cloth until final acceptance by the Government.

- Gatewell 4 Pipe Laterals – The work includes all labor, equipment, and materials necessary to perform excavation/backfilling to preconstruction ground elevation; compaction for the 48" and 15" RCP laterals, manholes and catch basins; perform subgrade preparation and fine grading; furnish, handle and place 48" and 15" reinforced concrete pipe; perform structural excavation for manholes and catch basins; place forms, reinforcing and concrete for the manhole and catch basin base and walls; finish and cure concrete; furnish, handle and install associated metals.

0060: Clearing and Grubbing – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing the work site, the removal of trash and debris resulting from the clearing operations and the disposal of cleared and grubbed debris, trash and material resulting from the clearing operations.

0061: Inspection Trench Excavation – The work includes the provision of all labor, equipment, and materials required for the excavation and inspection of the inspection trench. Backfilling for this item is covered under impervious fill.

0062: Excavation and Disposal of Unsuitable Material – The work includes the provision of all labor, equipment, and materials required to the excavation and disposal of unsuitable material at the following locations: QL Sta. 7+10 to 11+55; QL Sta. 207+00 to 216+00; QL Sta. 217+00 to 242+30.

0063: Riverside Berm Fill -This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of impervious fill material within the riverward berm slopes.

0064: Levee Random Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee random fill material within the levee embankment slopes, within the levee embankment slopes projected, and ramps/turnouts/turnarounds.

0065: Levee Impervious Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee impervious fill material within the levee embankment slopes, within the levee embankment slopes projected, overbuild, and seepage cutoff impervious fill necessary in preparation for riverside berm fill.

0066: Landside Berm Fill — This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of random fill material within the landward berm slopes.

0067: Burlington Creek Rockfill - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the rockfill until final acceptance by the government. The cost for excavation to place this rockfill is also included in this item. It will be considered incidental to the rockfill item.

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0068: Aggregate Surface Course – This item includes all costs associated with furnishing, hauling, handling, placing, and compacting the crushed stone surfacing material placed on the levee.

0069: Riprap - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap until final acceptance by the government. Does not include riprap costs for Gatewell #4 or Drainage System #8.

0070: Bedding - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the bedding material until final acceptance by the government.

0071: Soil surface Erosion Control Material – This item includes all costs associated with the furnishing and placement of erosion control material on the levee slopes.

0072: Geotextile Used as Filter Material – This item includes all costs associated with the furnishing and placement of filter material on the levee slopes beneath the riprap.

0073: Riprap Truckload Test – This item includes all costs associated with the loading of stone into a truck, the dumping of the stone, the weighing and sizing of the stone, and the recording of the data. This work shall be performed at the quarry. One riprap truckload test will be required.

0074: NW Platte Road Raise – This item includes all costs associated with the demolition/disposal of existing pavement on NW Platte Road, the furnishing and placement of fill material; Grading, subgrade preparation, furnishing and placement of base course material, prime coat, tack coats, new pavement, and pavement markings.

0075a: Seeding & Mulching – Levee Mixture – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Levee Mixture seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0075b: Seeding and Mulching - Native Grasses - Mixture "B" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses - Mixture "B" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0076: Stoplog Gap R1A- Includes the following items:

- Construction Staging – This item includes all costs associated with traffic control, related signage, and any other site preparation necessary in order to accomplish the construction of stoplog structure R1a. Site preparation includes demolition of pavement, excavation, temporary pavement, fill material for temporary road, backfilling (not including levee embankment), compaction, and Highway 9 shoulder repair.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of

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construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- M25 – M25 work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall.

- M26 – M26 work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall.

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- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments.
- Stoplogs/Associated Metals for R1a – The work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the stoplogs. The work also includes all associated metals required for the proper erection and operation of the stoplog structure.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0077: Construction Staging – This item includes all costs associated with traffic control, related signage, excavation, and any other site preparation necessary in order to accomplish the construction of rolling gate R2. Site preparation for R2 includes demolition/disposal of pavement, excavation, backfilling/compaction (not including levee embankment), and hauling and disposal of drill spoils.

0078: 24" Auger Cast Piles – This item includes the provision of all the labor, material, and equipment required for submittals, drilling equipment setup and takedown, drilling and handling of spoils; testing and reporting, providing and installing casing (if required), grout, and reinforcing.

0079: 36" Drilled Piers – This item includes the provision of all the labor, material, and equipment required for submittals, drilling equipment setup and takedown, drilling and handling of spoils; testing and reporting, providing and installing casing, grout, and reinforcing.

0080: 24" Drilled Piers – This item includes the provision of all the labor, material, and equipment required for submittals, drilling equipment setup and takedown, drilling and handling of spoils; testing and reporting, providing and installing casing, grout, and reinforcing.

0081: All Other Work Associated with R2 – Includes the following items:

- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

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- I-Wall Sheetpiling (Labor/Equipment)– Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.
- I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.
- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench. This item does not include the concrete cutoff wall below Monoliths 2 and 3.
- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.
- Storage Monolith – Storage Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab with rail, and floodwall.
- Closure Monolith (S) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments, and associated metals.
- Closure Monolith (C) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments, and associated metals.
- Closure Monolith (N) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments, and associated metals.
- Floodwall Monolith (1) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, and floodwall.

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- Floodwall Monolith (2) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, concrete cutoff wall below slab, and floodwall.
- Floodwall Monolith (3) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, concrete cutoff wall below slab, and floodwall.
- Corner Monolith– Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab and floodwall work.
- R2 Sanitary Sewer Relocation – The work includes all the labor, equipment, and materials required for pavement demolition/disposal, temporary pavement, excavation, furnishing and installing manholes R2-1, 2,3,4,5,6,7, and 8, and associated piping, and backfilling/compaction.
- Rolling Gate R2 – The Rolling Gate work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the rolling gate. The work also includes painting, and winch system.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0082: 16" Pipe Piles – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

0083: 24" Pipe Piles – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

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0084: All Other Work Associated with the Line Creek Floodwall – Includes the following items:

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.
- I-Wall Sheetpiling (Materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.
- Seepage Cutoff – This item includes all costs associated with placement of vinyl sheetpiling, non-woven textile, trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.
- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tension test will be required.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

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- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- Pile Cap – Pile Cap work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints.

- Floodwall Stem – Floodwall Stem work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints.

0085: HTRW Contingency Plan – The cost includes all work associated with writing, reviewing, submitting, and revising the HTRW Contingency Plan. This includes the development and submittal of a Sampling and Analysis Plan and a Site Safety and Health Plan, which make up the HTRW Contingency Plan. Costs for implementation of the plan are not included.

0086a: Demolition – This item includes all costs associated with the demolition and disposal of buildings, pavement, bridges and fences from Sta 0+00 to ~35+00, except the two city buildings located at floodwall Sta 23+50 and 24+50. Also included are electrical line disconnections and removals for all demolished items.

0086b: Salvage of City Buildings – This item includes the dismantling and salvaging of superstructure members of the city-owned buildings located at floodwall Sta 23+50 and 24+50. The buildings will be partially dismantled (determined by the right-of-way limits) and the structural members will be salvaged and stored within approximately 300 feet. The demolition of the foundation for these two buildings will also be included under Item 0086b.

0087: Line Creek Excavation – The work includes the provision of all labor, equipment, and material required to excavate, load, haul and dump material for the Line Creek Channel.

0088: Line Creek Fill – This item includes all labor, equipment, and material costs associated with placement and compaction of impervious material for the channel fill.

0089: Hydraulic Drop Structures – This item includes all labor, equipment, and material costs associated with the excavation for the drop structures, spreading of the spoil material, and the placement of sheetpile. The costs for riprap, spalls, and bedding material are not included in this item.

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BIDDING SCHEDULE (PHASE II BID NOTES)

0090: 42" Riprap - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the 42" riprap until final acceptance by the government.

0091: 18" Riprap - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the 18" riprap until final acceptance by the government. Does not include costs for riprap in gabions at Floodwall.

0092: Rockfill - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the rockfill until final acceptance by the government.

0093: Spalls - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the spalls until final acceptance by the government.

0094: Bedding - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the bedding material until final acceptance by the government.

0095: Geotextile Used as Filter Material – This item includes all costs associated with the furnishing and placement of geotextile material between the levee earth fill and 6-inch bedding.

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE (PHASE II BID NOTES)

0096: Riprap Truckload Test - This item includes all costs associated with the loading of stone into a truck, the dumping of the stone, the weighing and sizing of the stone, and the recording of the data. This work shall be performed at the quarry. Three riprap truckload test will be required.

0097: Clearing and Grubbing – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing the work site, the removal of trash and debris resulting from the clearing operations and the disposal of cleared and grubbed debris, trash and material resulting from the clearing operations.

0098: Demolition – This item includes all costs associated with pavement demolition around the ProLogis building; fencing removal from Sta ~51+89 to 75+50; and headwall demolition at Sta 63+23.

0099: Excavation and Disposal of Unsuitable Material – The work includes the provision of all labor, equipment, and materials required to the excavation and disposal of unsuitable material at the following locations: RS Sta.~66+00 to 79+00.

0100: Inspection Trench Excavation – The work includes the provision of all labor, equipment, and materials required for the excavation and inspection of the inspection trench. Backfilling for this item is covered under impervious fill.

0101: Riverside Berm Fill -This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of impervious fill material within the riverward berm slopes.

0102: Levee Random Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee random fill material within the levee embankment slopes, within the levee embankment slopes projected, and ramps/turnouts/turnarounds.

0103: Levee Impervious Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee impervious fill material within the levee embankment slopes, within the levee embankment slopes projected, and seepage cutoff impervious fill necessary in preparation for riverside berm fill.

0104: Landside Berm Fill — This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of random fill material within the landward berm slopes.

0105: Crushed Rock Surfacing – This item includes all costs associated with furnishing, hauling, handling, placing, and compacting the crushed stone surfacing material placed on the levee.

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE II BID NOTES)

0106a: Seeding & Mulching – Levee Mixture – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Levee Mixture seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0106b: Seeding and Mulching - Native Grasses - Mixture "B" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses - Mixture "B" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0107: Pavement Replacement – Pavement Replacement includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0108: Drainage Systems (Riverside) – Includes the following items:

- Gatewell Structure #7 – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 36" Flap gate.

- Gatewell Structure #8– The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for manholes; place forms, reinforcing, and concrete for manhole modifications; finish and cure concrete; perform structural excavation for outlet; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 42" Flap gate.

Also included in this item is the modification of MH138, EXG126, EXG127, Monolith 9 pile cap, pile cap walls, and floodwall.

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE II BID NOTES)

- Gatewell Structure #9 - The work includes all costs associated with sheetpiling; excavation; base slab; structure walls; precast structural walls, elevated slab, backfilling/compaction, ladder/platforms, pipe railing, sluice gate, electrical service, breakout of existing pipe, traffic control, bypass pipe, temporary bypass pipe and pump; waterline; water nozzle flushing system; concrete stairs on grade; backflow vault base slab; backflow preventer vault walls; mob/demob; site restoration.
- GW#9 Relief Wells 5&6 – The work includes all costs associated with mob/demob to the site, drilling for wells, provision and installation of well casing, screens, plugs, centralizers, filter pack, grout, outflow pipe, flap gate, pvc pipe, and metals for lid; sterilization; pump test; soil tests.
- Gatewell Structure #10 – The work includes all costs associated with the construction of the base slab, walls, elevated slab, metals, pipe, cradle, concrete collar, outlet structure, flap gate, ditch, associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Gatewell Structure #11 - The work includes all costs associated with the construction of piles for the base slab, base slab, walls, elevated slab, metals, pipe, cradle, inlet/outlet structure, flap gate, associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Gatewell #11 Relief Wells 1 thru 4 – The work includes all costs associated with mob/demob to the site, drilling for wells, provision and installation of well casing, screens, plugs, centralizers, filter pack, grout, outflow pipe, flap gate, pvc pipe, and metals for lid; sterilization; pump test; soil tests.
- Sewer System #1 – Design - The work includes all the labor, materials and equipment required for the preparation and submittal of the final plans and specifications for the construction of gatewell #6A and associated metals. Design component includes all labor, materials and equipment required for the coordination, investigation, analysis, preparation and submittal of the analysis in construction plans and specifications for the construction of gatewell #6A and associated metals. The design component is to be bid as a firm fixed price which is not negotiable.
- Sewer System #1 – Construction - The work includes all costs associated with the construction of gatewell #6A, the provision and installation of the 66" RCP, metals associated with gatewell #6A, demolition, associated excavation, backfilling, compaction, and the temporary bypass. The Government has entered the price for the construction component identified on the bidding schedule. If the construction component is performed by a subcontractor, the subcontractor shall furnish the Contractor itemized invoices showing the actual construction component cost incurred, less betterments, for the construction. The Contractor shall furnish the Government these itemized invoices, and invoices for construction component work the Contractor has performed, for verification and possible negotiations. After the parties have agreed upon the construction component amount, the Government will adjust the contract lump sum price for the respective construction component to the agreed construction component amount. No additional markups for the Contractor are to be added to the construction component within the base bidding schedule or any negotiated amounts.
- Drainage System #2 – The work includes all costs associated with the construction of gatewell #6B, the provision and installation of the 24" RCP, metals associated with gatewell #6B, demolition at JB-5 to EXMH28; temporary bypass for JB-5; Manhole JB-5, MH-6, JB-7; demolition of existing 24" VCP/CMP;

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BIDDING SCHEDULE (PHASE II BID NOTES)

demolition/modification of EXMH-28; associated excavation, backfilling to preconstruction ground elevation, and compaction.

- Drainage System #3 – The work includes all costs associated with the construction of Gate Structure GS-3, the demolition of the 6'x6' RCB, the provision and installation of the 18" RCP, 18" DIP, grate inlet GI-14, curb inlet CI-13, and associated excavation, backfilling to preconstruction ground elevation, and compaction.

- Drainage System #4 – The work includes all costs associated with the construction of an inlet/outlet structure, manhole MH-12, 60" RCP, manhole MH-11, manhole MH-10A; associated excavation, backfilling to preconstruction ground elevation, compaction, and riprap.

- Drainage System #5 – The work includes all costs associated with the provision and installation of the 54" RCP, 30" RCP, outlet structure, field inlet FI-1, JB-2, JB-3, JB-4; associated excavation, backfilling to preconstruction ground elevation, and compaction.

- Drainage System #6A – The work includes all costs associated with the provision and installation of the 15" RCP, manhole MH-8; modification of exist EXCI-6; associated excavation, backfilling to preconstruction ground elevation, and compaction.

- Drainage System #6B – The work includes all costs associated with the provision and installation of the 48" RCP, 15" RCP, manhole MH-9; modification of EXCI-12; outlet structure; associated excavation, backfilling to preconstruction ground elevation, and compaction.

- Drainage System at 9B – The work includes all costs associated with the provision and installation of the 18"/30" RCP, 18"/30" Inlet structure, 18"/30" Outlet Structure; demolition and disposal of pavement; pavement repair; associated excavation, backfilling to preconstruction ground elevation, and compaction.

-Interior Detention Basin South Red-X – The work includes all costs associated with the provision and installation of the 15" CMP; excavation, backfilling and compaction for the 15" CMP; Excavation for the detention pond; and detention pond shaping. Seeding and mulching are included in Item 0106 Seeding and Mulching.

- Red-X Ditch – The work includes all costs associated with excavation and grading of the ditch; the construction of Junction Box JB-R98; the associated excavation, backfilling, and compaction for the extended pipe and junction box; demolition of the CMP in the Junction Box.

- Drainage System at ProLogis – The work includes all costs associated with the provision and installation of the 30" RCP; construction of Junction Boxes JB1, JB2, JB3, and JB4; Construction of the outlet structure; associated excavation, backfilling to preconstruction ground elevation, and compaction.

- Drainage System at ProLogis, Tract 187 – The work includes all costs associated with the excavation, backfilling and compaction for the reinforced concrete pipe; the furnishing, handling and placement of the 30" RCP and end sections; the structural excavation, backfilling, and compaction for the grate inlets; and the construction of the grate inlets.

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BIDDING SCHEDULE (PHASE II BID NOTES)

- Relief Wells 7&8 @ ProLogis - The work includes all costs associated with mob/demob to the site, drilling for wells, provision and installation of well casing, screens, plugs, centralizers, filter pack, grout, outflow pipe, flap gate, pvc pipe, and metals for lid; sterilization; pump test; soil tests. Also included is the cost for the construction of the vaults.
- Gabions @ Floodwall – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap and cages until final acceptance by the government for the gabion protection at the floodwall.
- Modular Block Wall at Kitterman – Work includes all cost associated with the excavation; forming and placement of leveling pad; furnishing, handling and placement of modular block, drainage pipe, and geogrid; and backfilling/compaction of granular backfill and topsoil. The contractor shall also be responsible for all costs associated with the design of the modular block wall.

0109a: Government Field Office – Bidder is directed to Section 01500 TEMPORARY CONSTRUCTION FACILITIES.

0109b: Anti-Graffiti Sealer -- This item includes all costs associated with the furnishing/application of anti-graffiti sealer to the walls of: Q0 North/South transition; M21/M22, and the Closure Monolith; Q3a – M28/M29, and Closure Monolith; R1a – I-wall, M25/M26, and Closure Monolith; R2 – I-wall, Storage Monolith, Closure Monolith (S), Closure Monolith (N), Floodwall Monolith (1), Floodwall Monolith (2), Floodwall Monolith (3), and M27; Riverside Floodwall – both sides.

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|-------------------------------------|--------------------|-------------|-----------------------|-----------------|------------|
| 0110 | Mobilization/ Demobilization | | LS | | | _____ |
| 0111 | Design-Build Relocations | | | | | |
| | a. Mo. Gas Energy - Design | | LS | | | \$ 54,650 |
| | - Station 5+94 Q | | LS | | \$ 4,150 | |
| | - Station 6+60 Q | | LS | | \$ 4,150 | |
| | - Station 216+26 Q | | LS | | \$ 34,200 | |
| | - Station 7+33 R | | LS | | \$ 3,900 | |
| | - Station 79+96 R | | LS | | \$ 4,400 | |
| | - All other Stations | | LS | | \$ 3,850 | |
| | b. Mo. Gas Energy – Construction | | LS | | | \$500,000 |
| | - Station 5+94 Q | | LS | | \$ 53,000 | |
| | - Station 6+60 Q | | LS | | \$ 47,300 | |
| | - Station 216+26 Q | | LS | | \$245,500 | |
| | - Station 7+33 R | | LS | | \$ 37,000 | |
| | - Station 79+96 R | | LS | | \$ 47,200 | |
| | - All other Stations | | LS | | \$ 70,000 | |
| | c. Mo.-Amer Water - Design | | LS | | | \$ 19,630 |
| | - Station 2+62 Q | | LS | | \$ 3,800 | |
| | - Station 12+46 Q | | LS | | \$ 5,000 | |
| | - Station 205+55 Q | | LS | | \$ 2,700 | |
| | - Station 241+54 Q | | LS | | \$ 1,380 | |
| | - Station 6+92 R | | LS | | \$ 1,800 | |
| | - Station 19+40 R | | LS | | \$ 3,300 | |
| | - Station 79+58 R | | LS | | \$ 1,650 | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|---|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| | d. Mo.-Amer Water – Construction | | LS | | | \$400,000 |
| | - Station 2+62 Q | | LS | | \$ 60,000 | |
| | - Station 12+46 Q | | LS | | \$125,000 | |
| | - Station 205+55 Q | | LS | | \$ 55,000 | |
| | - Station 241+54 Q | | LS | | \$ 40,000 | |
| | - Station 6+92 R | | LS | | \$ 50,000 | |
| | - Station 19+40 R | | LS | | \$ 45,000 | |
| | - Station 79+58 R | | LS | | \$ 25,000 | |
| | e. Southwestern Bell Telephone - Design | | LS | | | \$ 32,000 |
| | - Station 11+71 Q | | LS | | \$ 3,700 | |
| | - Station 79+76 R | | LS | | \$ 2,000 | |
| | - All other Stations R | | LS | | \$ 19,100 | |
| | - All other Stations Q | | LS | | \$ 7,200 | |
| | f. Southwestern Bell Telephone - Construction | | LS | | | \$300,000 |
| | - Station 11+71 Q | | LS | | \$ 15,000 | |
| | - Station 79+76 R | | LS | | \$ 75,000 | |
| | - All other Stations R | | LS | | \$ 85,000 | |
| | - All other Stations Q | | LS | | \$125,000 | |
| | g. City of KCMO - Design | | LS | | | \$ 12,380 |
| | - Station 205+22 Q | | LS | | \$ 5,700 | |
| | - Station 79+94 R | | LS | | \$ 0 | |
| | - Station 80+66 R | | LS | | \$ 0 | |
| | - All other Stations | | LS | | \$ 6,680 | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|------------------------|---|-----------------------|--------------------|--------------------------|------------------------|-------------------|
| | h. City of KCMO - Construction | | LS | | | \$275,000 |
| | - Station 205+22 Q | | LS | | \$ 65,000 | |
| | - Station 79+94 R | | LS | | \$ 9,000 | |
| | - Station 80+66 R | | LS | | \$ 6,000 | |
| | - All other Stations | | LS | | \$195,000 | |
| | i. Equilon - Design | | LS | | | \$ 6,200 |
| | j. Equilon - Construction | | LS | | | \$200,000 |
| | k. Conoco - Design | | LS | | | \$ 12,900 |
| | - Station 118+97 Q | | LS | | \$ 6,800 | |
| | - All other Stations | | LS | | \$ 6,100 | |
| | l. Conoco - Construction | | LS | | | \$300,000 |
| | - Station 118+97 Q | | LS | | \$170,000 | |
| | - All other Stations | | LS | | \$130,000 | |
| | m. AT&T - Design | | LS | | | \$ 33,000 |
| | n. AT&T - Construction | | LS | | | \$150,000 |
| | o. Williams Energy - Design | | LS | | | \$ 42,590 |
| | - Station 13+09 Q | | LS | | \$ 7,900 | |
| | - Station 185+20 Q | | LS | | \$ 7,180 | |
| | - All other Stations | | LS | | \$ 27,510 | |
| | p. Williams Energy – Construction | | LS | | | \$600,000 |
| | - Station 13+09 Q | | LS | | \$110,000 | |
| | - Station 185+20 Q | | LS | | \$ 70,000 | |
| | - All other Stations | | LS | | \$420,000 | |
| | q. Williams Natural Gas – Design | | LS | | | \$ 21,600 |
| | r. Williams Natural Gas – Construction | | LS | | | \$500,000 |
| | s. Williams Communication – Design | | LS | | | \$ 23,500 |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|-----------------|--|----------------|-------------|-------------------|-----------------|------------|
| | t. Williams Communication – Construction | | LS | | | \$ 25,000 |
| | u. Argosy – Design | | LS | | | \$ 14,240 |
| | - Station 196+76 Q | | LS | | \$ 1,000 | |
| | - Station 196+49 Q | | LS | | \$ 1,000 | |
| | - All other Stations | | LS | | \$ 12,240 | |
| | v. Argosy – Construction | | LS | | | \$500,000 |
| | - Station 196+76 Q | | LS | | \$ 60,000 | |
| | - Station 196+49 Q | | LS | | \$ 65,000 | |
| | - All other Stations | | LS | | \$375,000 | |
| | w. City of Riverside - Design | | LS | | | \$ 30,000 |
| | x. City of Riverside - Construction | | LS | | | \$250,000 |
| | y. KCPL - Design | | LS | | | \$ 28,050 |
| | - Quindaro Levee | | LS | | \$ 13,700 | |
| | - Riverside Levee | | LS | | \$ 14,350 | |
| | z. KCPL - Construction | | LS | | | \$500,000 |
| | - Quindaro Levee | | LS | | \$185,000 | |
| | - Riverside Levee | | LS | | \$315,000 | |
| 0112 | Design Complete Relocations | | LS | | | \$_____ |
| | - Station 40+30 Q | | LS | | \$_____ | |
| | - All other Work | | LS | | \$_____ | |
| 0113a | Demolition/Sitework (Quindaro) | | LS | | | \$_____ |
| 0113b | New Fencing (Quindaro/ Riverside) | 8,444 | LF | \$_____ | | \$_____ |
| 0114 | Protective Services of Q1/Q3 | | LS | | | \$ 190,000 |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|--|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| 0115 | Construction Staging by Railroad for Q1/Q3 | | LS | | | \$ 450,000 |
| 0116 | H-Piles 14x102 | 22,052 | LF | \$_____ | | \$_____ |
| 0117 | Not Used | | | | | |
| 0118 | Not Used | | | | | |
| 0119 | Not Used | | | | | |

Quindaro Pump Plant

| | | | | | | |
|-------|---------------------------------------|---------|------|---------|--|---------|
| 0120a | Ponding Area Excavation | 160,000 | CY | \$_____ | | \$_____ |
| 0120b | Ponding Area Over- Excavation | 33,700 | CY | \$_____ | | \$_____ |
| 0121 | Structural Excavation | 27,709 | CY | \$_____ | | \$_____ |
| 0122 | Inlet/Outlet Ditch | | LS | \$_____ | | \$_____ |
| 0123 | Backfilling | 23,981 | CY | \$_____ | | \$_____ |
| 0124 | Riprap | 874 | TONS | \$_____ | | \$_____ |
| 0125 | Geotextile Used as Filter Material | 12,492 | SF | \$_____ | | \$_____ |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|------------------------------|--------------------|-------------|-----------------------|-----------------|------------|
| 0126 | All other Items | | LS | | | \$_____ |
| | -Inlet Structure | | LS | | \$_____ | |
| | -Trash Rack | | LS | | \$_____ | |
| | -108" Reinforced | | LS | | \$_____ | |
| | Concrete Pipe | | LS | | \$_____ | |
| | -Twin 9'x9' Reinforced | | LS | | \$_____ | |
| | Concrete Box | | LS | | \$_____ | |
| | -Pump Plant | | LS | | \$_____ | |
| | -Pump Plant Metals (Inc | | LS | | \$_____ | |
| | vents/Discharge Pipe | | | | | |
| | -Pumps/Pump Controls | | LS | | \$_____ | |
| | - 108" Sluice Gate | | LS | | \$_____ | |
| | -Electrical Work | | LS | | \$_____ | |
| | -Electrical Service to | | LS | | \$_____ | |
| | Pump Plant | | | | | |
| | -Outlet Structure | | LS | | \$_____ | |
| | -108" Dia Flap Gates | | LS | | \$_____ | |
| | -Free Board Gage | | LS | | \$_____ | |
| | -Gabions on Inlet Ditch | | LS | | \$_____ | |
| 0127 | <u>Stoplog Gap Q0</u> | | LS | | | \$_____ |
| | -Construction Staging | | LS | | \$_____ | |
| | for Q0 | | | | | |
| | -Test Piles - Mob/Demob | | LS | | \$_____ | |
| | -Test Piles – Lateral | | | | | |
| | Load Test | | LS | | \$_____ | |
| | -I-Wall Sheetpiling | | LS | | \$_____ | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -North Transition Wall | | LS | | \$_____ | |
| | -South Transition Wall | | LS | | \$_____ | |
| | -Monolith 21 | | LS | | \$_____ | |
| | -Monolith 22 | | LS | | \$_____ | |
| | -Closure Monolith | | LS | | \$_____ | |
| | -Stoplogs/Associated | | LS | | \$_____ | |
| | Metals for Q0 | | | | | |
| | -Pavement | | LS | | \$_____ | |
| | Reconstruction | | | | | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| 0128 | <u>Rolling Gate Q1</u> | | LS | | | \$ _____ |
| | -Construction Staging by Contractor | | LS | | \$ _____ | |
| | -Test Piles - Mob/Demob | | LS | | \$ _____ | |
| | - Test Piles - Tensile Load Test | | LS | | \$ _____ | |
| | - Test Piles - Lateral Load Test | | LS | | \$ _____ | |
| | - Test Piles - Compressive Load Test | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 29,000 | |
| | -Seepage Cutoff Wall | | LS | | \$ _____ | |
| | -I-Wall Concrete | | LS | | \$ _____ | |
| | -Storage Monolith | | LS | | \$ _____ | |
| | -Monolith 23 (Corner Monolith) | | LS | | \$ _____ | |
| | -Closure Monolith | | LS | | \$ _____ | |
| | -Rolling Gate Q1 | | LS | | \$ _____ | |
| | -Pavement Reconstruction | | LS | | \$ _____ | |
| 0129 | <u>Stoplog Gap Q2</u> | | LS | | | \$ _____ |
| | -Site Work For Q2 | | LS | | \$ _____ | |
| | -Test Piles - Mob/Demob | | LS | | \$ _____ | |
| | - Test Piles - Tensile Load Test | | LS | | \$ _____ | |
| | - Test Piles - Lateral Load Test | | LS | | \$ _____ | |
| | - Test Piles - Compressive Load Test | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 29,000 | |
| | -Seepage Cutoff | | LS | | \$ _____ | |
| | -I-Wall Concrete | | LS | | \$ _____ | |
| | -Pile Cap | | LS | | \$ _____ | |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|--|--------------------|-------------|-----------------------|-----------------|------------|
| | -Closure Monolith Wall/ Abutment | | LS | | \$_____ | |
| | -Closure Monolith Sill | | LS | | \$_____ | |
| | -Stoplogs - Type A | | LS | | \$_____ | |
| | -Stoplogs - Type B | | LS | | \$_____ | |
| | -Stoplog Storage Pedestals | | LS | | \$_____ | |
| | -Stoplog Posts/Misc Metals For Stoplogs | | | LS | | \$_____ |
| 0130 | <u>Rolling Gate Q3</u> | | LS | | | \$_____ |
| | -Construction Staging | | LS | | \$_____ | |
| | -Test Piles - Mob/Demob | | LS | | \$_____ | |
| | - Test Piles - Tensile Load Test | | LS | | \$_____ | |
| | - Test Piles - Lateral Load Test | | LS | | \$_____ | |
| | - Test Piles - Compressive Load Test | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 28,000 | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -I-Wall Concrete | | LS | | \$_____ | |
| | -Storage Monolith | | LS | | \$_____ | |
| | -Closure Monolith | | LS | | \$_____ | |
| | -Rolling Gate Q3 | | LS | | \$_____ | |
| 0131 | <u>Stoplog Gap Q3A</u> | | LS | | | \$_____ |
| | -Construction Staging | | LS | | \$_____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$_____ | |
| | - Test Piles - Lateral Load Test | | LS | | \$_____ | |
| | -I-Wall Sheetpiling | | LS | | \$_____ | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -Not Used | | LS | | \$_____ | |
| | -M28 | | LS | | \$_____ | |
| | -M29 | | LS | | \$_____ | |

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Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385), Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|--|---|--------------------|-------------|-----------------------|-----------------|------------|
| | -Closure Monolith | | LS | | \$ _____ | |
| | -Stoplogs/Associated Metals for A3a | | LS | | \$ _____ | |
| | -Pavement Reconstruction | | LS | | \$ _____ | |
| 0132a | <u>Drainage Systems (Quindaro)</u> | | LS | | | \$ _____ |
| | -Gateway #2 | | LS | | \$ _____ | |
| | -Gateway #4 without Pipe Laterals | | LS | | \$ _____ | |
| | -Drainage System #8 | | LS | | \$ _____ | |
| | -Hwy 9 Earthwork and Drainage System | | LS | | \$ _____ | |
| 0132b | <u>Argosy Bumpout</u> | | LS | | | \$ _____ |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$ _____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 28,000 | |
| | I-Wall Concrete | | LS | | \$ _____ | |
| | Gateway #4a With Laterals | | LS | | \$ _____ | |
| | Gateway #4- Pipe Laterals | | LS | | \$ _____ | |
| <u>Quindaro Levee (Phase 1)</u> | | | | | | |
| 0133 | Clearing and Grubbing | | LS | | | \$ _____ |
| 0134 | Required Excavation | 415,660 | CY | \$ _____ | | \$ _____ |
| 0135 | Not Used | | | | | |
| 0136 | Not Used | | | | | |
| 0137 | Riprap | 21,537 | TONS | \$ _____ | | \$ _____ |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|----------------------------|---|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| 0138 | Bedding | 6,117 | TONS | \$_____ | | \$_____ |
| 0139 | Rockfill | 9,790 | TONS | \$_____ | | \$_____ |
| 0140 | Soil Surface Erosion Control Material | 11,968 | SY | \$_____ | | \$_____ |
| 0141 | Riverside Berm Fill | 167,000 | CY | \$_____ | | \$_____ |
| 0142 | Random Fill | 1,505,404 | CY | \$_____ | | \$_____ |
| 0143 | Impervious Fill | 401,302 | CY | \$_____ | | \$_____ |
| 0144 | Crushed Rock Surfacing | 5,100 | TONS | \$_____ | | \$_____ |
| 0145 | Seeding & Mulching - Levee Mix | 78 | ACRES | \$_____ | | \$_____ |
| 0146a | Seeding & Mulching - Native Grasses/Wild- Flowers, Mixture "A" | 73 | ACRES | \$_____ | | \$_____ |
| 0146b | Seeding and Mulching- Native Grasses/Wild- Flowers, Mixture "C" | 10 | ACR | \$_____ | | \$_____ |
| 0147 | Seeding & Mulching - Native Grasses, Mixture "B" | 93 | ACRES | \$_____ | | \$_____ |
| 0148a | Trees (APM) | 2,800 | EA | \$_____ | | \$_____ |
| 0148b | Trees (Bare Root) | 21,000 | EA | \$_____ | | \$_____ |
| 0149 | Shrubs | 8,400 | EA | \$_____ | | \$_____ |
| 0150 | Free Board Gage | | LS | | | \$_____ |

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Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385), Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|---|--|---------------------------|--------------------|------------------------------|------------------------|-------------------|
| <u>Quindaro Levee (Phase II)</u> | | | | | | |
| 0151 | Clearing and Grubbing | | LS | | | \$_____ |
| 0152 | Inspection Trench Excavation | 18,682 | CY | \$_____ | | \$_____ |
| 0153 | Exc/Disposal of Unsuitable Material | 10,890 | CY | \$_____ | | \$_____ |
| 0154 | Riverside Berm Fill | 25,604 | CY | \$_____ | | \$_____ |
| 0155 | Random Fill | 194,889 | CY | \$_____ | | \$_____ |
| 0156 | Impervious Fill | 148,555 | CY | \$_____ | | \$_____ |
| 0157 | Landside Berm Fill | 77,339 | CY | \$_____ | | \$_____ |
| 0158 | Burlington Creek Rockfill | 3,903 | TONS | \$_____ | | \$_____ |
| 0159 | Crushed Rock Surfacing | 1,996 | TONS | \$_____ | | \$_____ |
| 0160 | Riprap | 9,810 | TONS | \$_____ | | \$_____ |
| 0161 | Bedding | 2,952 | TONS | \$_____ | | \$_____ |
| 0162 | Soil Surface Erosion Control Material | 2,585 | SY | \$_____ | | \$_____ |
| 0163 | Geotextile used as Filter Material | 2,856 | SY | \$_____ | | \$_____ |
| 0164 | Riprap Truckload Test | | LS | \$_____ | | \$_____ |
| 0165 | NW Platte Road Raise | | LS | | | \$_____ |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| 0166a | Seeding & Mulching – Levee Mix | 31.3 | ACR | \$_____ | | \$_____ |
| 0166b | Seeding & Mulching— Native Grasses, Mixture "B" | 21.3 | ACR | \$_____ | | \$_____ |
| 0167 | Stoplog Gap R1a | | LS | | | \$_____ |
| | -Construction Staging | | LS | | \$_____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$_____ | |
| | - Test Piles - Tensile Load Test | | LS | | \$_____ | |
| | - Test Piles - Lateral Load Test | | LS | | \$_____ | |
| | - Test Piles - Compressive Load Test | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 19,000 | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -I-Wall Concrete | | LS | | \$_____ | |
| | -M25 | | LS | | \$_____ | |
| | -M26 | | LS | | \$_____ | |
| | -Closure Monolith | | LS | | \$_____ | |
| | -Stoplogs/Assoc. Metals for R1a | | LS | | \$_____ | |
| | -Pavement Reconstruction | | LS | | \$_____ | |

Rolling Gate R2

| | | | | | | |
|------|------------------------------|-------|----|---------|--|---------|
| 0168 | Construction Staging | | LS | | | \$_____ |
| 0169 | 24" Dia. Auger Cast Piles | 2,709 | LF | \$_____ | | \$_____ |
| 0170 | 36" Dia. Drilled Piers | 166 | LF | \$_____ | | \$_____ |
| 0171 | 24" Dia. Drilled Piers | 381 | LF | \$_____ | | \$_____ |

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(Levee Unit L-385), Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| 0172 | All Other Work Associated with R2 | | LS | \$_____ | | \$_____ |
| | -Test Piles - Mob/ Demob | | LS | | \$_____ | |
| | - Test Piles - Compressive Load Test | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 13,000 | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -I-Wall Concrete | | LS | | \$_____ | |
| | -Storage Monolith | | LS | | \$_____ | |
| | -Closure Monolith (S) | | LS | | \$_____ | |
| | -Closure Monolith (C) | | LS | | \$_____ | |
| | -Closure Monolith (N) | | LS | | \$_____ | |
| | -Floodwall Monolith (1) | | LS | | \$_____ | |
| | -Floodwall Monolith (2) | | LS | | \$_____ | |
| | -Floodwall Monolith (3) | | LS | | \$_____ | |
| | -Corner Monolith | | LS | | \$_____ | |
| | -R2 Sanitary Sewer Relocation | | LS | | \$_____ | |
| | -Rolling Gate R2 | | LS | | \$_____ | |
| | -Pavement Reconstruction | | LS | | \$_____ | |

Line Creek Floodwall

| | | | | | | |
|------|----------------|--------|----|---------|--|-------|
| 0173 | 16" Pipe Piles | 16,895 | LF | \$_____ | | _____ |
| 0174 | 24" Pipe Piles | 1,098 | LF | \$_____ | | _____ |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
(Levee Unit L-385) Riverside, Missouri

BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|---|--------------------|-------------|-----------------------|-----------------|------------|
| 0175 | All Other Work Assoc w/Line Creek FW | | LS | | | \$_____ |
| | -I-Wall Sheetpiling (Labor/ Equipment) | | LS | | \$_____ | |
| | -I-Wall Sheetpiling (Material) | | LS | | \$ 30,000 | |
| | -Seepage Cutoff Wall | | LS | | \$_____ | |
| | -I-Wall Concrete | | LS | | \$_____ | |
| | -Test Piles - Mob/ Demob | | LS | | \$_____ | |
| | - Test Piles - Tensile Load Test | | LS | | \$_____ | |
| | - Test Piles - Lateral Load Test | | LS | | \$_____ | |
| | - Test Piles - Compressive Load Test | | LS | | \$_____ | |
| | -Pile Cap | | LS | | \$_____ | |
| | -Floodwall Stem | | LS | | \$_____ | |

Line Creek

| | | | | | | |
|-------|------------------------------|---------|------|---------|--|---------|
| 0176 | HTRW Contingency Plan | | LS | | | \$_____ |
| 0177a | Demolition | | LS | | | \$_____ |
| 0177b | Salvage of City Buildings | | LS | | | \$_____ |
| 0178 | Line Creek Excavation | 185,841 | CY | \$_____ | | \$_____ |
| 0179 | Line Creek Fill | 25,111 | CY | \$_____ | | \$_____ |
| 0180 | Hydraulic Drop Structures | | LS | | | \$_____ |
| 0181 | 42" Riprap | 4,196 | TONS | \$_____ | | \$_____ |
| 0182 | 18" Riprap | 20,678 | TONS | \$_____ | | \$_____ |
| 0183 | Rockfill | 59,502 | TONS | \$_____ | | \$_____ |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| ITEM NO. | DESCRIPTION | EST QTY | UNIT | UNIT PRICE | SUBTOTAL | AMT |
|---------------------|--------------------------------|--------------------|-------------|-----------------------|-----------------|------------|
| 0184 | Spalls | 1,326 | TONS | \$_____ | | \$_____ |
| 0185 | Bedding | 6,766 | TONS | \$_____ | | \$_____ |
| 0186 | Geotextiles used as Filters | 312 | SY | \$_____ | | \$_____ |
| 0187 | Riprap Truckload Test | | LS | \$_____ | | \$_____ |

Riverside Levee

| | | | | | | |
|-------|--|---------|------|---------|--|---------|
| 0188 | Clearing and Grubbing | | LS | | | \$_____ |
| 0189 | Demolition | | LS | | | \$_____ |
| 0190 | Excavation of Unsuitable Material | 17,500 | CY | \$_____ | | \$_____ |
| 0191 | Inspection Trench Excavation | 13,213 | CY | \$_____ | | \$_____ |
| 0192 | Riverside Berm Fill | 28,238 | CY | \$_____ | | \$_____ |
| 0193 | Levee Random Fill | 96,884 | CY | \$_____ | | \$_____ |
| 0194 | Levee Impervious Fill | 115,162 | CY | \$_____ | | \$_____ |
| 0195 | Landside Berm Fill | 1,293 | CY | \$_____ | | \$_____ |
| 0196 | Crushed Rock Surfacing | 1,386 | TONS | \$_____ | | \$_____ |
| 0197a | Seeding & Mulching – Levee Mix | 21.3 | ACR | \$_____ | | \$_____ |
| 0197b | Seeding & Mulching – Native Grasses, Mixture "B" | 8.5 | ACR | \$_____ | | \$_____ |
| 0198 | Pavement Replacement | | LS | | | \$_____ |

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM NO.</u> | <u>DESCRIPTION</u> | <u>EST QTY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|-----------------|--|----------------|-------------|-------------------|-----------------|------------|
| 0199 | Drainage Systems (Riverside) | | LS | | | \$_____ |
| | Gatewell #7 | | LS | | \$_____ | |
| | Gatewell #8 | | LS | | \$_____ | |
| | Gatewell #9 | | LS | | \$_____ | |
| | GW#9 Relief Wells 5&6 | | LS | | \$_____ | |
| | Gatewell #10 | | LS | | \$_____ | |
| | Gatewell #11 | | LS | | \$_____ | |
| | GW#11 Relief Wells 1 thru 4 | | LS | | \$_____ | |
| | Sewer System #1 – Design | | LS | | \$_____ | |
| | Sewer System #1 - Construction | | LS | | \$775,000 | |
| | Drainage System #2 | | LS | | \$_____ | |
| | Drainage System #3 | | LS | | \$_____ | |
| | Drainage System #4 | | LS | | \$_____ | |
| | Drainage System #5 | | LS | | \$_____ | |
| | Drainage System #6A | | LS | | \$_____ | |
| | Drainage System #6B | | LS | | \$_____ | |
| | Drainage System at 9B | | LS | | \$_____ | |
| | Interior Detension Basin South Red-X | | LS | | \$_____ | |
| | Red-X Ditch | | LS | | \$_____ | |
| | Drainage System @ Prologis | | LS | | \$_____ | |
| | Drainage System @ Prologis, Tract 187 | | LS | | \$_____ | |
| | Relief Wells 7&8 @ Prologis | | LS | | \$_____ | |
| | Gabions @ Floodwall | | LS | | \$_____ | |
| | Modular Block Wall at Kitterman | | LS | | \$_____ | |

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BIDDING SCHEDULE

BASE SCHEDULE PHASE I + PHASE II

| <u>ITEM</u> <u>NO.</u> | <u>DESCRIPTION</u> | <u>EST</u> <u>QTY</u> | <u>UNIT</u> | <u>UNIT</u> <u>PRICE</u> | <u>SUBTOTAL</u> | <u>AMT</u> |
|---|----------------------------|--|--------------------|---|------------------------|-------------------|
| 0200 | Government Field Office | 36 | MONTHS | \$_____ | \$_____ | |

OPTION SCHEDULE PHASE I + PHASE II

| | | | | | | |
|------|------------------------------------|--------|----|---------|---------|--|
| 0201 | Anti-Graffiti Sealer (OPTION 1) | 54,300 | SF | \$_____ | \$_____ | |
|------|------------------------------------|--------|----|---------|---------|--|

TOTAL SCHEDULE PHASE I + II \$_____

Determination of the Bidder's total price for the proposed work will be based on the TOTAL of the BASE SCHEDULE and OPTION SCHEDULE. Immediate award will be made of the BASE SCHEDULE. At the option of the Government, the OPTION SCHEDULE may be awarded at the bid price after Notice of Award for the BASE SCHEDULE work. The Government does not guarantee any work beyond that of the BASE SCHEDULE. The Government reserves the right to pick up the OPTION SCHEDULE at the bid price within 60 calendar days after the Notice to Proceed. Bidders' attention is directed to SECTION 00100, paragraph titled "Evaluation of Options".

Project: Missouri River Levee System, Quindaro Levee and Stoplog Gap,
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BIDDING SCHEDULE (PHASE I + PHASE II BID NOTES)

Following are descriptions of work for each bid item for purposes of determining measurement and Payment.

0110: Mobilization/Demobilization – Mobilization of equipment and facilities during the contract is the transport, initial assembly and setup of construction equipment prior to project startup. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Fifty percent (50%) of Mobilization/Demobilization will be paid for Mobilization and the remaining fifty percent (50%) will be paid for demobilization.

0111: Design/Build Relocations – Each relocation identified is comprised of two components: design and construction. The design component includes all labor, materials, and equipment required for the coordination, investigation, analysis, preparation, and submittal of the analysis and construction plans and specifications for the relocation of the specified utilities. The construction component includes all work to be completed per the approved relocation construction plans and specifications by the respective Contractor or subcontractor. The Government has entered the price for the design/construction component identified on the bidding schedule. If the component is performed by a subcontractor, the subcontractor shall furnish the Contractor itemized invoices showing the actual component cost incurred, less betterments, for the relocation. The Contractor shall furnish the Government these itemized invoices, and invoices for component work the Contractor has performed, for verification and possible negotiations. After the parties have agreed upon the component amount, the Government will adjust the contract lump sum price for the respective component to the agreed component amount. No additional markups for the Contractor are to be added to the component within the base bidding schedule or any negotiated amounts. The Government reserves the right to not award all or individual line items under the “Design-Build Relocation” Bid Item. If certain utility locations are not awarded under this contract, the Contractor will still be required to coordinate with the utility companies and to work around the utility company relocations that were not awarded.

0112: Relocations -- Design Complete – The work includes all work required to relocate items identified below. The work also includes utility investigation and analysis as well as overall utility coordination and scheduling.

- Intercontinental Corporation Utility Service Alteration – Air Line Relocation, Sta 40+51 - This item includes all work required to relocate Intercontinental Corporation 2” steel airline. The work includes clearing & grubbing, stripping and stockpiling of topsoil for pipeline right of ways, trench excavation, dewatering and shoring of trench walls as required; subgrade preparation and fine grading; providing, handling, connecting, and placing airline pipe and fittings; backfilling and compacting with clean excavated material; excavation for removal of existing airline to required limits; making new pipe connections; backfilling/compaction with clean excavated material; and testing of airline for leaks;

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BIDDING SCHEDULE (PHASE I + PHASE II BID NOTES)

- Intercontinental Corporation Utility Service Alteration – 30” Storm Sewer Pipe – This item includes all work associated with the abandonment of the 30” Storm Sewer pipe.
- Intercontinental Corporation Utility Service Alteration – Electrical Line Relocation, Sta 41+03 - This item includes all work required to relocate Intercontinental Corporation Electric service line. The work includes clearing & grubbing, stripping and stockpiling of topsoil for pipeline right of ways, trench excavation, dewatering and shoring of trench walls as required; subgrade preparation and fine grading; providing, handling, connecting, and placing conduit and electric line; backfilling and compacting with clean excavated material; excavation for removal of existing electrical line to required limits; making new line connections; backfilling/compaction with clean excavated material; and testing of electrical lines;
- Intercontinental Corporation Utility Service Alteration – Remove Sanitary Lagoon Pipe and Manhole Connection and grouting of existing 8” pipe – The work includes clearing & grubbing, stripping and stockpiling of topsoil for replacement, excavation, dewatering and shoring as required, removal of pipe and manhole, backfilling and compaction with clean excavated material. The work also includes the grouting of the existing 8” sanitary pipe. (Station 40+30)
- Intercontinental Corporation Utility Service Alteration – Remove Sanitary Lagoon – The work includes all labor, equipment, and material necessary to dewater, excavate, load, haul, and dispose of the wastewater and sludge within the existing sanitary lagoon.
- Intercontinental Corporation Utility Service Alteration – Hopper Utility Service – This item includes all work associated with the extension of the utility service to the relocated hopper.
- Intercontinental Ponding Area – This item includes all labor, equipment, and material necessary to excavate and create the southeast and west detention ponds and to fill the existing ponding area next to Intercon as shown. This also includes the entire drainage system leading to the southeast detention pond, and ditch construction and fill next to the southeast detention pond.
- Fence Relocation (Quindaro) – The work includes the provision of all labor, equipment, and materials for the removal of fence posts and associated concrete, chain link fabric, barbed wire, gates and associated hardware from the work site; also included is hauling of material offsite, and proper disposal offsite. Fencing material is not to be reused.
- Shed/Hopper Relocation – The work includes removal/replacement of the existing shed, hopper, foundation and associated road and parking area.
- Station 178+50 – Storm Sewer Removal – 15 “ CMP. The work includes the provision of all labor, equipment and materials required for the removal of the storm sewer.

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BIDDING SCHEDULE (PHASE I + PHASE II BID NOTES)

- Station 177+50 – Culvert “A” – The work includes the provision of all labor, equipment, and materials required for the excavation, provision and pipejacking of 15” CMP, and backfilling.
- Station 177+50 – Culvert “B” – This work includes the provision of all labor, equipment, and materials required for excavation, provision and installation of 15” CMP, manhole, and backfilling.
- Station 158+00 – 24” Storm Sewer Removal-- The work includes all labor, equipment, and materials required to remove the existing 24-inch storm sewer

0113a: Demolition/Site Work – This item includes all labor, equipment, and material costs associated with the demolition of the East and West Parking Lots of Argosy including saw cutting of pavement, pavement removal and disposal, curb removal and disposal, light pole removal and disposal, manhole removal and disposal, pipe demolition and disposal, curb inlet removal and disposal, and the abandonment of pipes. Also included in this item is the new pavement, curb, and light poles at the Argosy.

0113b: New Fencing (Quindaro/Riverside) – New fencing includes the provision and installation of corner/line/gate posts with concrete, brace bars, chainlink fabric, stretcher bars, truss rods with turnbuckles, line post wire ties, tension wire, wire hog rings, post brackets with barbed wire, locking devices, plunger bar and all other details shown on drawings.

0114: Protective Services - This item includes all work that is performed by the railroad as protective services in the installation of Q1 and Q3. The railroad shall furnish the Contractor itemized invoices showing the actual cost incurred, less betterments, for the protective services. The contractor shall furnish the government these itemized invoices for verification and possible negotiations. After the parties have agreed upon the amount, the government will adjust the contract lump sum price for this item to the agreed protective services amount. No additional markups for the contractor are to be added to the railroad’s charges. This cost will be handled as a pass thru cost.

0115: Construction Staging by Railroad for Q1/Q3 – This item includes all costs associated with track related work associated with the routing of the trains to the active tracks. This item does not include temporary sheetpiling, excavation, backfilling, signage, or demolition of pavement. The railroad shall furnish the Contractor itemized invoices showing the actual cost incurred, less betterments, for the construction staging. The Contractor shall furnish the government these itemized invoices for verification and possible negotiations. After the parties have agreed upon the amount, the government will adjust the contract lump sum price for this item to the agreed construction staging amount. No additional markups for the Contractor are to be added to the railroad’s charges. This cost will be handled as a pass through cost.

0116: H-Piles 14x 102 – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

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BIDDING SCHEDULE (PHASE I + PHASE II BID NOTES)

0117: Not Used

0118: Not Used

0119: Not Used

0120a: Ponding Area Excavation – This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, and dumping of material from the Ponding area limits.

0120b: Ponding Area Over-Excavation -- This item includes all labor, equipment, and material costs associated with the excavation, manipulation, and disposition of the material excavated below the ponding area limits shown

on the plans. If the Contractor elects to use an alternate disposal area in accordance with the specifications, no cost shall be entered for this item.

0121: Structural Excavation– This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, and dumping of material from the inlet, pipe, pump plant, and outlet limits. This item also includes any dewatering necessary to construct pump plant and associated items.

0122: Inlet/Outlet Ditch– This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, and dumping of material from the inlet/outlet ditch limits.

0123: Backfilling– This item includes all labor, equipment, and material costs associated with excavating, loading, hauling, dumping, spreading, and compaction of material for the inlet, pipe, pump plant, and outlet limits. This item does not include fill for the levee embankment.

0124: Riprap – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap until final acceptance by the government for the pump plant ditch. This item does not include riprap for the gabions.

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BIDDING SCHEDULE (PHASE I + PHASE II BID NOTES)

0125: Geotextile Used As Filter Material – This item includes all costs associated with the furnishing and placement of geotextile materials on the inlet/outlet ditch slopes below riprap material.

0126: All Other Items for the Quindaro Pump Plant (which include the following items).

- Inlet Structure – The work includes all labor, equipment, and materials necessary to: perform toe excavation; place sheetpiling; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete.
- Trash Rack – The work includes all labor, equipment, and materials necessary to fabricate and install trash racks on the inlet structure.
- 108" Reinforced Concrete Pipe – The work includes all labor, equipment, and materials necessary to: perform subgrade preparation for pipe shaping and cradles; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe.
- Twin 9'x9' Reinforced Concrete Box – The work includes all labor, equipment, and materials necessary to: perform subgrade preparation for RCB; place forms, reinforcing, and concrete for the RCB; finish and cure concrete: installation of collar, expansion joints, and waterstops.
- Pump Plant – The work includes all labor, equipment, and materials necessary to: perform subgrade preparation; place forms, reinforcing, and concrete for the pump plant base, walls, and elevated slab; finish and cure concrete.
- Pump Plant Metals – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install pump plant metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, gate operator platform, guard railing, chains, and fencing. Cost also includes the fabrication, installation/removal, and storage of stoplogs.
- Pumps/Pump Controls – The work includes all labor, equipment, and material necessary furnish and install pumps, discharge tubes, and pump controls.
- 108" Sluice Gate – The work includes all labor, equipment, and materials necessary to furnish and install wall thimble, sluice gate, stem, and gate operators.
- Electrical Work – The work includes all labor, equipment, and materials necessary to provide an electrical service drop, motor control center, transformers, grounding, wiring and conductors.
- Electrical Service to Pump Plant – The work includes all labor, equipment, and materials necessary to provide electrical service to the Pump Plant, including; tap in connection, trenching, conduits, riser poles, electrical poles, and wiring.

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- Outlet Structure – The work includes all labor, equipment, and materials necessary to: perform toe excavation; place sheetpiling; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete.
- 108" Flap Gate – The work includes all labor, equipment, and materials necessary to furnish and install wall thimbles and flap gate.
- Free Board Gages – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the free board gages including but not limited to surveying, welding, painting, and signage.
- Gabions on inlet Ditch - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap and cages until final acceptance by the government for the gabion protection at I635.

0127: Stoplog Gap Q0 – Includes the following items:

-Construction Staging – This item includes all costs associated with traffic control, related signage, and site preparation necessary in order to begin construction of stoplog structure Q0. Site preparation includes demolition of pavement, temporary pavement, fill material, removal of temporary pavement, excavation, backfilling (not including levee embankment), compaction, and concrete barriers.

- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

-Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

- I-Wall Sheetpiling – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with furnishing, handling, storing, and installing vinyl sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

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- North Transition Wall – North Floodwall work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, and colored floodwall.
- South Transition Wall – South Floodwall work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, and colored floodwall.
- Monolith 21 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall work.
- Monolith 22 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall work.
- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, colored abutment wall, and colored center abutment with texturing.
- Stoplogs/Associated Metals for Q0 – The work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the stoplogs. The work also includes all associated metals required for the proper erection and operation of the stoplog structure.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coats and tack coats, to a smooth transition to existing pavement, new concrete pavement, guardrails, and pavement marking.

0128: Rolling Gate Q1 – Includes the following items:

- Construction Staging – This item includes all costs associated with traffic control, related signage, temporary sheetpiling, excavation, and any other site preparation necessary in order to accomplish the construction of rolling gate Q1. Site preparation includes demolition and disposal of pavement, excavation for pile cap, backfilling (not including levee embankment), compaction, and temporary access road.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

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- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tension test will be required.

-Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Storage Monolith – Storage Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, floodwall, support pedestals, slab end caps, and raised slab.

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- Monolith 23 (Corner Monolith)– Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab and floodwall work.
- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall, support pedestals, gate sill, and railroad sill for each closure monolith section.
- Rolling Gate Q1 – The Rolling Gate work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the rolling gate. The work also includes painting, and winch system.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime and tack coats, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0129: Stoplog Gap Q2 – Includes the following items:

- Site Work for Q2 – The work includes the provision of all labor, equipment, and materials necessary for the demolition of the existing roadway and railroad, excavation for the pile cap, road raise, and railroad/roadway reconstruction.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing;,, and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. Six tension tests will be required.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. Seven lateral tests will be required.
- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames,

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mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. Six compressive load tests will be required.

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff – This item includes all costs associated with trench excavation, furnishing and placement of nonwoven geotextile, furnishing and placement of vinyl sheetpile, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench, and furnishing and placement of pure high-swell sodium bentonite.

- I-Wall – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Pile Cap – Pile Cap work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; forming, pouring, finishing, and curing structural pile cap; and expansion joints.

- Closure Monolith Wall – The work includes all labor, equipment, and materials necessary to place forms, reinforcing, and concrete; work also includes finishing and curing concrete; metals associated with the closure monolith wall and associated welding.

- Closure Monolith Sill – The work includes all labor, equipment, and materials necessary to: perform structural excavation/backfilling/compaction; place forms, reinforcing, and concrete for the closure monolith sill/postwells; finish and cure concrete; place metals associated with the closure monolith sill/postwells and associated welding.

- Stoplogs – Type A – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the type "A" stoplogs in the channel slots.

- Stoplogs – Type B – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the type "B" stoplogs in the channel slots.

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- Stoplog Storage Pedestals – The work includes all labor, equipment, and materials necessary to: perform structural excavation/backfilling/compaction; place forms, reinforcing, and concrete for the stoplog storage pedestals; finish and cure concrete; place metals and neoprene associated with the stoplog storage pedestals and associated welding. Also included in this item is the removal of the stoplogs and posts from the channel slots and postwells and placement/securing of the stoplogs and posts on the stoplog storage pedestals.

- Stoplog Posts/Misc. Metals – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the Stoplog posts in the postwells.

0130: Rolling Gate Q3 – Includes the following items:

- Construction Staging – – This item includes all costs associated with temporary sheetpiling, excavation for pile cap, backfilling (not including levee embankment), compaction, and any other incidental site preparation necessary in order to accomplish the construction of rolling gate Q3.

- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tension test will be required.

-Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment)– Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving,

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cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Storage Monolith – Storage Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, floodwall, support pedestals, slab end caps, and raised slab.

- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall, support pedestals, gate sill, and railroad sill for each closure monolith section.

- Rolling Gate Q3 – The Rolling Gate work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the rolling gate. The work also includes painting, and winch system.

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0131: Stoplog Gap Q3A – Includes the following work:

- Construction Staging – This item includes all costs associated with traffic control, related signage, and any other site preparation necessary in order to accomplish the construction of rolling gate Q3A. Site preparation includes demolition and disposal of pavement, excavation, the provision and placement of fill material, backfilling (not including the levee embankment), and compaction.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.
- I-Wall Sheetpiling – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with furnishing, handling, storing, and installing vinyl sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto.
- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.
- M28 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab, and colored floodwall.
- M29 – Monolith work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab, and colored floodwall.

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- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments.
- Stoplogs/Associated Metals for Q3A – The work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the stoplogs. The work also includes all associated metals required for the proper erection and operation of the stoplog structure.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0132a: Drainage Systems (Quindaro) – Includes the following items:

- Gatewell Structure #2 – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 54" Flap gate. This item also includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap/bedding for the outlet structure on Gatewell #2 until final acceptance by the government.
- Gatewell Structure #4 without Pipe Laterals – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation/compaction for 60" RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place 60" reinforced concrete pipe; perform structural excavation for inlet ditch/inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet and ditch; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 60" Flap gate. This item also includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap/bedding for the outlet structure on Gatewell #4 until final acceptance by the government.

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- Drainage System #8 - – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gateway structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gateway metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for inlet ditch/inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet and ditch; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 60" Flap gate; This item also includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap/bedding for the outlet structure on Drainage System #8 until final acceptance by the government.

- Highway 9 Earthwork and Drainage System – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing, ditch excavation, impervious fill, plugging of a storm drain, bore/jack and grade highway 9 ramp. Seeding and mulching are included with Item 0165 Seeding and Mulching.

0132b: Argosy Bumpout – Includes the following items:

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

-I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Gateway 4a with Pipe Laterals – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing and concrete for the gateway structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gateway metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains and pipe stands; perform excavation/backfilling/compaction of RCP, manholes and catch

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basins; perform subgrade preparation and fine grading; place forms, reinforcing and concrete for the pipe cradles; finish and cure concrete; furnish, handle and place reinforced concrete pipe, manholes and catch basins; perform structural excavation for outlet; place forms, reinforcing and concrete for the concrete outlet structure base and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 48" flap gate. This item also includes all cost associated with furnishing, hauling, handling, placing and maintaining the riprap/bedding and filter cloth until final acceptance by the Government.

- Gatewell 4 Pipe Laterals – The work includes all labor, equipment, and materials necessary to perform excavation/backfilling to preconstruction ground elevation; compaction for the 48" and 15" RCP laterals, manholes and catch basins; perform subgrade preparation and fine grading; furnish, handle and place 48" and 15" reinforced concrete pipe; perform structural excavation for manholes and catch basins; place forms, reinforcing and concrete for the manhole and catch basin base and walls; finish and cure concrete; furnish, handle and install associated metals.

0133: Clearing and Grubbing – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing the work site, the removal of trash and debris resulting from the clearing operations and the disposal of cleared and grubbed debris, trash and material resulting from the clearing operations.

0134: Required Excavation – The work includes the provision of all labor, equipment, and materials required for the excavation, and inspection of the inspection trench; excavation, loading, hauling, and dumping of the existing levee material; and the excavation, loading, hauling, and dumping of the borrow area material; and the excavation, loading, hauling, and dumping of the levee toe material for the placement of riprap/bedding.

0135: Not Used

0136: Not Used

0137: Riprap – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap until final acceptance by the government. This item does not include riprap costs for Gatewell #4 or Drainage System #8.

0138: Bedding – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the bedding material until the placement of riprap cover is completed.

0139: Rockfill – This item includes all labor, equipment, and material costs associated with furnishing, hauling, handling, and placement of rockfill material within the riverward berm slopes.

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0140: Soil Surface Erosion Control Material – This item includes all costs associated with the furnishing and placement of erosion control material on the levee slopes.

0141: Riverside Berm Fill - – This item includes all costs associated with excavating, hauling, handling, placing, and compacting the fill riverward of the levee between Sta 41+00 and 51+00, and the impervious material associated with the stability berm. Stripping of the borrow/levee area is not included in the quantities. Stripping is considered an incidental cost.

0142: Random Fill - – This item includes all costs associated with furnishing, handling, placing, and compacting the random material associated with the construction of the levee and underseepage berm. Stripping of the borrow/levee area is not included in the quantities. Stripping is considered an incidental cost. Cost also includes required hydrographic surveys.

0143: Impervious Fill - – This item includes all labor, equipment, and material costs associated with: backfilling and compacting the inspection trench; excavation, hauling, handling, placement, and compaction of impervious material for the levee, overbuild, and area fill. Costs also include placing topsoil within required limits. Stripping of the borrow/levee area is not included in the quantities. Stripping is considered an incidental cost.

0144: Crushed Rock Surfacing – This item includes all cost associated with furnishing, hauling, handling, placing, and compacting the surfacing material.

0145: Seeding and Mulching Levee Mixture – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Levee Mixture seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0146a: Seeding and Mulching - Native Grass/Wildflower - Mixture "A" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses/Wildflower - Mixture "A" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0146b: Seeding and Mulching – Native Grass/Wildflower – Mixture "C" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses/Wildflower- Mixture "C" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0147: Seeding and Mulching - Native Grasses - Mixture "B" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses - Mixture "B" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0148a: Trees (APM) – The work includes all labor, equipment, and materials necessary to provide and plant the specified APM trees.

0148b: Trees (Bare Root) - The work includes all labor, equipment, and materials necessary to provide and plant the specified Bare Root trees.

0149: Shrubs – The work includes all labor, equipment, and materials necessary to provide and plant the specified shrubs.

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0150: Free Board Gage – The work includes all labor, equipment, and materials necessary to fabricate, furnish and install the free board gages including but not limited to surveying, removal/replacement of riprap, hand excavation/backfilling/compaction, welding, painting, and signage. Three free board gages will be required.

0151: Clearing and Grubbing – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing the work site, the removal of trash and debris resulting from the clearing operations and the disposal of cleared and grubbed debris, trash and material resulting from the clearing operations.

0152: Inspection Trench Excavation – The work includes the provision of all labor, equipment, and materials required for the excavation and inspection of the inspection trench. Backfilling for this item is covered under impervious fill.

0153: Excavation and Disposal of Unsuitable Material – The work includes the provision of all labor, equipment, and materials required to the excavation and disposal of unsuitable material at the following locations: QL Sta. 7+10 to 11+55; QL Sta. 207+00 to 216+00; QL Sta. 217+00 to 242+30.

0154: Riverside Berm Fill -This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of impervious fill material within the riverward berm slopes.

0155: Levee Random Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee random fill material within the levee embankment slopes, within the levee embankment slopes projected, and ramps/turnouts/turnarounds.

0156: Levee Impervious Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee impervious fill material within the levee embankment slopes, within the levee embankment slopes projected, and seepage cutoff impervious fill necessary in preparation for riverside berm fill.

0157: Landside Berm Fill — This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of random fill material within the landward berm slopes.

0158: Burlington Creek Rockfill - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the rockfill until final acceptance by the government. The cost for excavation to place this rockfill is also included in this item. It will be considered incidental to the rockfill item.

0159: Crushed Rock Surfacing – This item includes all costs associated with furnishing, hauling, handling, placing, and compacting the crushed stone surfacing material placed on the levee.

0160: Riprap - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap until final acceptance by the government.

0161: Bedding - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the bedding material until final acceptance by the government.

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0162: Soil surface Erosion Control Material – This item includes all costs associated with the furnishing and placement of erosion control material on the levee slopes in lieu of riprap /bedding material.

0163: Geotextile Used as Filter Material – This item includes all costs associated with the furnishing and placement of geotextile material on the levee slopes in lieu of bedding material.

0164: Riprap Truckload Test – This item includes all costs associated with the loading of stone into a truck, the dumping of the stone, the weighing and sizing of the stone, and the recording of the data. This work shall be performed at the quarry. One riprap truckload test will be required.

0165: NW Platte Road Raise – This item includes all costs associated with the demolition/disposal of existing pavement on NW Platte Road, the furnishing and placement of fill material; Grading, subgrade preparation, furnishing and placement of base course material, prime coat, tack coats, new pavement, and pavement markings.

0166a: Seeding & Mulching – Levee Mixture – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Levee Mixture seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0166b: Seeding and Mulching - Native Grasses - Mixture "B" – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses - Mixture "B" seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0167: Stoplog Gap R1A- Includes the following items:

- Construction Staging – This item includes all costs associated with traffic control, related signage, and any other site preparation necessary in order to accomplish the construction of stoplog structure R1a. Site preparation includes demolition of pavement, excavation, temporary pavement, fill material for temporary road, backfilling (not including levee embankment), compaction, and Highway 9 shoulder repair.

- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.

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- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment)– Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

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- M25 – M25 work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall.
- M26 – M26 work includes forming (including form liners), reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, waterstops, and expansion joints. This includes slab and colored floodwall.
- Closure Monolith – Monolith work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments.
- Stoplogs/Associated Metals for R1a – The work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the stoplogs. The work also includes all associated metals required for the proper erection and operation of the stoplog structure.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0168: Construction Staging – This item includes all costs associated with traffic control, related signage, excavation, and any other site preparation necessary in order to accomplish the construction of rolling gate R2. Site preparation for R2 includes demolition/disposal of pavement, excavation, backfilling/compaction (not including levee embankment), and hauling and disposal of drill spoils.

0169: 24" Auger Cast Piles – This item includes the provision of all the labor, material, and equipment required for submittals, drilling equipment setup and takedown, drilling and handling of spoils; testing and reporting, providing and installing casing (if required), grout, and reinforcing.

0170: 36" Drilled Piers – This item includes the provision of all the labor, material, and equipment required for submittals, drilling equipment setup and takedown, drilling and handling of spoils; testing and reporting, providing and installing casing, grout, and reinforcing.

0171: 24" Drilled Piers – This item includes the provision of all the labor, material, and equipment required for submittals, drilling equipment setup and takedown, drilling and handling of spoils; testing and reporting, providing and installing casing, grout, and reinforcing.

0172: All Other Work Associated with R2 – Includes the following items:

- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport,

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equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.

- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff Wall – This item includes all costs associated with trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench. This item does not include the concrete cutoff wall below Monoliths 2 and 3.

- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.

- Storage Monolith – Storage Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab with rail, and floodwall.

- Closure Monolith (S) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments, and associated metals.

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- Closure Monolith (C) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments, and associated metals.
- Closure Monolith (N) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes the slab, floodwall and abutments, and associated metals.
- Floodwall Monolith (1) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, and floodwall.
- Floodwall Monolith (2) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, concrete cutoff wall below slab, and floodwall.
- Floodwall Monolith (3) – Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab, concrete cutoff wall below slab, and floodwall.
- Corner Monolith– Monolith work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints. This includes slab and floodwall work.
- R2 Sanitary Sewer Relocation – The work includes all the labor, equipment, and materials required for pavement demolition/disposal, temporary pavement, excavation, furnishing and installing manholes R2-1, 2,3,4,5,6,7, and 8, and associated piping, and backfilling/compaction.
- Rolling Gate R2 – The Rolling Gate work includes all the labor, equipment, and materials necessary to fabricate, transport, erect, and test the rolling gate. The work also includes painting, and winch system.
- Pavement Reconstruction – Pavement Reconstruction includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

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0173: 16" Pipe Piles – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

0174: 24" Pipe Piles – This item includes all costs associated with driving permanent piles, which include costs of handling, driving, cutting off piles at the cutoff elevation and removing cutoffs from the work site, compiling and submitting pile driving records, backfilling voids around piles, and any other items incidental to driving piles.

0175: All Other Work Associated with the Line Creek Floodwall – Includes the following items:

- I-Wall Sheetpiling (Labor/Equipment) – Payment for sheet piling will be made for installed sheetpiling. This item includes all cost associated with handling, storing, and installing sheetpiling including placing, driving, cutting, splicing, and other materials incidental thereto. This is a firm fixed price which will not be negotiated.

I-Wall Sheetpiling (materials) – PZ-35 sheetpiling is currently not manufactured in the United States. However, it is anticipated this product will be domestically available in the upcoming months. The Government has entered an anticipated price in the bid schedule for this material. When this product becomes available the actual price for the material will be used, plus an allowance for contractors' overhead and profit. It will be the contractor's responsibility for the procurement of the material. Itemized invoices showing actual costs for the procurement of the sheetpiling will be provided to the Government for verification and possible negotiations. After the parties have agreed upon the material cost including contractor's markups, the Government will adjust the contract lump sum price for this item to the agreed sheetpiling cost amount.

- Seepage Cutoff – This item includes all costs associated with placement of vinyl sheetpiling, non-woven textile, trench excavation, furnishing and mixing sand and bentonite, and the placement of the sand/bentonite mixture in the excavated trench.

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- I-Wall Concrete – I- Wall work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, reinforcing steel, ties and accessories; steel cutting; forming, pouring, finishing, and curing structural concrete wall; and waterstops.
- Test Piles – Mob/Demob - Mobilization of equipment/labor/material for the pile testing is the transport, initial assembly and setup of construction equipment prior to testing; and transportation of labor to the work site. Work associated with mobilization will include preparation of equipment for transport, equipment transportation and setup, manifest, tolls, permits, escort vehicles, drivers, and equipment operators. Demobilization of equipment and facilities is the disassembly and transport offsite of construction equipment after its use has been completed. Work associated with demobilization will include disassembly of equipment for transport, equipment transportation, manifest, tolls, permits, escort vehicles, drivers, and equipment operators.
- Test Piles – Tension Test - This item includes the provision of all the labor, material, and equipment required to perform tensile load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One tension test will be required.
- Test Piles – Lateral Test - This item includes the provision of all the labor, material, and equipment required to perform Lateral load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One lateral test will be required.
- Test Piles – Compressive Load Test - This item includes the provision of all the labor, material, and equipment required to perform Compressive load tests, including fabricating and furnishing load frames, mounting of telltales; calibrating load cells, hydraulic jacks, and gages; furnishing specified test equipment; placing and removing test loads and test equipment; recording, reducing, and submitting test data; and compiling and submitting pile load test reports. One compressive load test will be required.
- Pile Cap – Pile Cap work includes structural excavation, backfilling/compaction with select onsite soils, subgrade preparation and fine grading, forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints.
- Floodwall Stem – Floodwall Stem work includes forming, reinforcing steel, ties and accessories; pouring, finishing, and curing concrete, and expansion joints.

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0176: HTRW Contingency Plan – The cost includes all work associated with writing, reviewing, submitting, and revising the HTRW Contingency Plan. This includes the development and submittal of a Sampling and Analysis Plan and a Site Safety and Health Plan, which make up the HTRW Contingency Plan. Costs for implementation of the plan are not included.

0177a: Demolition – This item includes all costs associated with the demolition and disposal of buildings, pavement, bridges and fences from Sta 0+00 to ~35+00, except the two city buildings located at floodwall Sta 23+50 and 24+50. Also included are electrical line disconnections and removals for all demolished items.

0177b: Salvage of City Buildings – This item includes the dismantling and salvaging of superstructure members of the city-owned buildings located at floodwall Sta 23+50 and 24+50. The buildings will be partially dismantled (determined by the right-of-way limits) and the structural members will be salvaged and stored within approximately 300 feet. The demolition of the foundation for these two buildings will also be included under Item 0177a.

0178: Line Creek Excavation – The work includes the provision of all labor, equipment, and material required to excavate, load, haul and dump material for the Line Creek Channel.

0179: Line Creek Fill – This item includes all labor, equipment, and material costs associated with placement and compaction of impervious material for the channel fill.

0180: Hydraulic Drop Structures – This item includes all labor, equipment, and material costs associated with the excavation for the drop structures, spreading of the spoil material, and the placement of sheetpile. The costs for riprap, spalls, and bedding material are not included in this item.

0181: 42" Riprap - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the 42" riprap until final acceptance by the government.

0182: 18" Riprap - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the 18" riprap until final acceptance by the government. This item does not include costs for riprap for the gabions at the Floodwall.

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0183: Rockfill - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the rockfill until final acceptance by the government.

0184: Spalls - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the spalls until final acceptance by the government.

0185: Bedding - This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the bedding material until final acceptance by the government.

0186: Geotextile Used as Filter Material – This item includes all costs associated with the furnishing and placement of geotextile material between levee earth fill and 6-inch bedding.

0187: Riprap Truckload Test - This item includes all costs associated with the loading of stone into a truck, the dumping of the stone, the weighing and sizing of the stone, and the recording of the data. This work shall be performed at the quarry. Three riprap truckload tests will be required.

0188: Clearing and Grubbing – The work includes the provision of all labor, equipment, and materials required for clearing and grubbing the work site, the removal of trash and debris resulting from the clearing operations and the disposal of cleared and grubbed debris, trash and material resulting from the clearing operations.

0189: Demolition – This item includes all costs associated with pavement demolition around the ProLogis building; fencing relocation from Sta ~51+89 to 75+50; and headwall demolition at Sta 63+23.

0190: Excavation and Disposal of Unsuitable Material – The work includes the provision of all labor, equipment, and materials required to the excavation and disposal of unsuitable material at the following locations: RS Sta.~66+00 to 79+00.

0191: Inspection Trench Excavation – The work includes the provision of all labor, equipment, and materials required for the excavation and inspection of the inspection trench. Backfilling for this item is covered under impervious fill.

0192: Riverside Berm Fill -This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of impervious fill material within the riverward berm slopes.

0193: Levee Random Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee random fill material within the levee embankment slopes, within the levee embankment slopes projected, and ramps/turnouts/turnarounds.

0194: Levee Impervious Fill – This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of levee impervious fill material within the levee embankment slopes, within the levee embankment slopes projected, and seepage cutoff impervious fill necessary in preparation for riverside berm fill.

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0195: Landside Berm Fill — This item includes all labor, equipment, and material costs associated with excavation, hauling, handling, placement, and compaction of random fill material within the landward berm slopes.

0196: Crushed Rock Surfacing – This item includes all costs associated with furnishing, hauling, handling, placing, and compacting the crushed stone surfacing material placed on the levee.

0197a: Seeding & Mulching – Levee Mixture – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Levee Mixture seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0197b: Seeding and Mulching - Native Grasses - Mixture “B” – This item includes all costs associated with tilling, furnishing and placement of fertilizer, Native Grasses - Mixture “B” seed, mulch and other required additives, maintenance, re-seeding and guarantee.

0198: Pavement Replacement – Pavement Replacement includes furnishing all labor, equipment, and materials necessary to prepare subgrade to receive new pavement, to install base course, and to install new pavement including prime coat and tack coat, to a smooth transition to existing pavement. Work also includes striping and guard rails where required.

0199: Drainage Systems (Riverside) – Includes the following items:

- Gatewell Structure #7 – The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for inlet; place forms, reinforcing, and concrete for the inlet structure base, and walls; finish and cure concrete; perform structural excavation for outlet; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 36” Flap gate.

- Gatewell Structure #8– The work includes all labor, equipment, and materials necessary to: perform structural excavation; place forms, reinforcing, and concrete for the gatewell structure base, walls, and elevated slab; finish and cure concrete; fabricate, furnish and install gatewell metals including but not limited to ladder rungs, grating, angle iron, expansion anchors, steel plates, screws, sluice gate, pipe railing, chains, and pipe stands; perform excavation/backfilling to preconstruction ground elevation /compaction for RCP; perform subgrade preparation and fine grading; place forms, reinforcing, and concrete for the pipe cradles; finish and cure concrete; furnish, handle, and place reinforced concrete pipe; perform structural excavation for manholes; place forms, reinforcing, and concrete for manhole modifications; finish and cure concrete; perform structural excavation for outlet; place forms, reinforcing, and concrete for the outlet structure base, and walls; finish and cure concrete. This item also includes the furnishing, handling, and installation of the 42” Flap gate. Also included in this item is the modification of MH138, EXGI26, EXGI27, Monolith 9 pile cap, pile cap walls, and floodwall.

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- Gatewell Structure #9 - The work includes all costs associated with sheetpiling; excavation; base slab; structure walls; precast structural walls, elevated slab, backfilling/compaction, ladder/platforms, pipe railing, sluice gate, electrical service, breakout of existing pipe, traffic control, bypass pipe, temporary bypass pipe and pump; waterline; water nozzle flushing system; concrete stairs on grade; backflow vault base slab; backflow preventer vault walls; mob/demob; site restoration.
- GW#9 Relief Wells 5&6 – The work includes all costs associated with mob/demob to the site, drilling for wells, provision and installation of well casing, screens, plugs, centralizers, filter pack, grout, outflow pipe, flap gate, pvc pipe, and metals for lid; sterilization; pump test; soil tests.
- Gatewell Structure #10 – The work includes all costs associated with the construction of the base slab, walls, elevated slab, metals, pipe, cradle, concrete collar, outlet structure, flap gate, ditch, associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Gatewell Structure #11 - The work includes all costs associated with the construction of piles for the base slab, base slab, walls, elevated slab, metals, pipe, cradle, inlet/outlet structure, flap gate, associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Gatewell #11 Relief Wells 1 thru 4 – The work includes all costs associated with mob/demob to the site, drilling for wells, provision and installation of well casing, screens, plugs, centralizers, filter pack, grout, outflow pipe, flap gate, pvc pipe, and metals for lid; sterilization; pump test; soil tests.
- Sewer System #1 – Design - The work includes all the labor, materials and equipment required for the preparation and submittal of the final plans and specifications for the construction of gatewell #6A and associated metals. Design component includes all labor, materials and equipment required for the coordination, investigation, analysis, preparation and submittal of the analysis in construction plans and specifications for the construction of gatewell #6A and associated metals. The design component is to be bid as a firm fixed price which is not negotiable.
- Sewer System #1 – Construction - The work includes all costs associated with the construction of gatewell #6A, the provision and installation of the 66" RCP, metals associated with gatewell #6A, demolition, associated excavation, backfilling, compaction, and the temporary bypass. The Government has entered the price for the construction component identified on the bidding schedule. If the construction component is performed by a subcontractor, the subcontractor shall furnish the Contractor itemized invoices showing the actual construction component cost incurred, less betterments, for the construction. The Contractor shall furnish the Government these itemized invoices, and invoices for construction component work the Contractor has performed, for verification and possible negotiations. After the parties have agreed upon the construction component amount, the Government will adjust the contract lump sum price for the respective construction component to the agreed construction component amount. No additional markups for the Contractor are to be added to the construction component within the base bidding schedule or any negotiated amounts.

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- Drainage System #2 – The work includes all costs associated with the construction of gatewell #6B, the provision and installation of the 24" RCP, metals associated with gatewell #6B, demolition at JB-5 to EXMH28; temporary bypass for JB-5; Manhole JB-5, MH-6, JB-7; demolition of existing 24" VCP/CMP; demolition/modification of EXMH-28; associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Drainage System #3 – The work includes all costs associated with the construction of Gate Structure GS-3, the demolition of the 6'x6' RCB, the provision and installation of the 18" RCP, 18" DIP, grate inlet GI-14, curb inlet CI-13, and associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Drainage System #4 – The work includes all costs associated with the construction of an inlet/outlet structure, manhole MH-12, 60" RCP, manhole MH-11, manhole MH-10A; associated excavation, backfilling to preconstruction ground elevation, compaction, and riprap.
- Drainage System #5 – The work includes all costs associated with the provision and installation of the 54" RCP, 30" RCP, outlet structure, field inlet FI-1, JB-2, JB-3, JB-4; associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Drainage System #6A – The work includes all costs associated with the provision and installation of the 15" RCP, manhole MH-8; modification of exist EXCI-6; associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Drainage System #6B – The work includes all costs associated with the provision and installation of the 48" RCP, 15" RCP, manhole MH-9; modification of EXCI-12; outlet structure; associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Drainage System at 9B – The work includes all costs associated with the provision and installation of the 18"/30" RCP, 18"/30" Inlet structure, 18"/30" Outlet Structure; demolition and disposal of pavement; pavement repair; associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Interior Detention Basin South Red-X – The work includes all costs associated with the provision and installation of the 15" CMP; excavation, backfilling and compaction for the 15" CMP; Excavation for the detention pond; and detention pond shaping. Seeding and mulching are included in Item 0197 Seeding and Mulching.
- Red-X Ditch – The work includes all costs associated with excavation and grading of the ditch; the construction of Junction Box JB-R98; the associated excavation, backfilling, and compaction for the extended pipe and junction box; demolition of the CMP in the Junction Box.
- Drainage System at ProLogis – The work includes all costs associated with the provision and installation of the 30" RCP; construction of Junction Boxes JB1, JB2, JB3, and JB4; Construction of the outlet structure; associated excavation, backfilling to preconstruction ground elevation, and compaction.
- Drainage System at ProLogis, Tract 187 – The work includes all costs associated with the excavation, backfilling and compaction for the reinforced concrete pipe; the furnishing, handling and placement of the 30" RCP and end sections; the structural excavation, backfilling, and compaction for the grate inlets; and the construction of the grate inlets.

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- Relief Wells 7&8 @ ProLogis - The work includes all costs associated with mob/demob to the site, drilling for wells, provision and installation of well casing, screens, plugs, centralizers, filter pack, grout, outflow pipe, flap gate, pvc pipe, and metals for lid; sterilization; pump test; soil tests. Also included is the cost for the construction of the vaults.
- Gabions @ Floodwall – This item includes all cost associated with furnishing, hauling, handling, placing, and maintaining the riprap and cages until final acceptance by the government for the gabion protection at the floodwall.
- Modular Block Wall at Kitterman – Work includes all cost associated with the excavation; forming and placement of leveling pad; furnishing, handling and placement of modular block, drainage pipe, and geogrid; and backfilling/compaction of granular backfill and topsoil. The contractor shall also be responsible for all costs associated with the design of the modular block wall.

0200: Government Field Office – Bidder is directed to Section 01500 TEMPORARY CONSTRUCTION FACILITIES.

0201: Anti-Graffiti Sealer – This item includes all costs associated with the furnishing/application of anti-graffiti sealer to the walls of: Q0 North/South transition; M21/M22, and the Closure Monolith; Q3a – M28/M29, and Closure Monolith; R1a – I-wall, M25/M26, and Closure Monolith; R2 – I-wall, Storage Monolith, Closure Monolith (S), Closure Monolith (N), Floodwall Monolith (1), Floodwall Monolith (2), Floodwall Monolith (3), and M27; Riverside Floodwall – both sides.